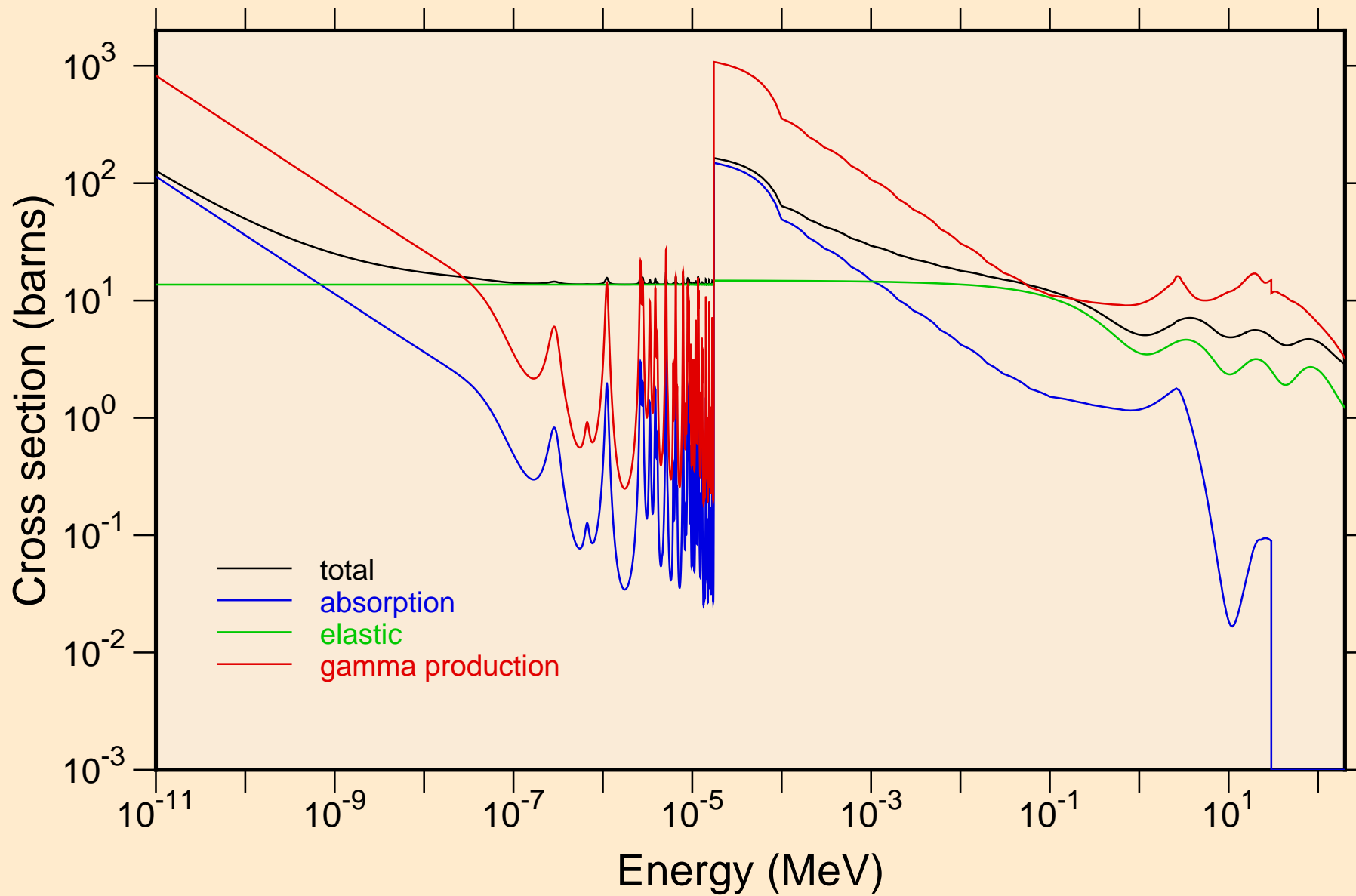
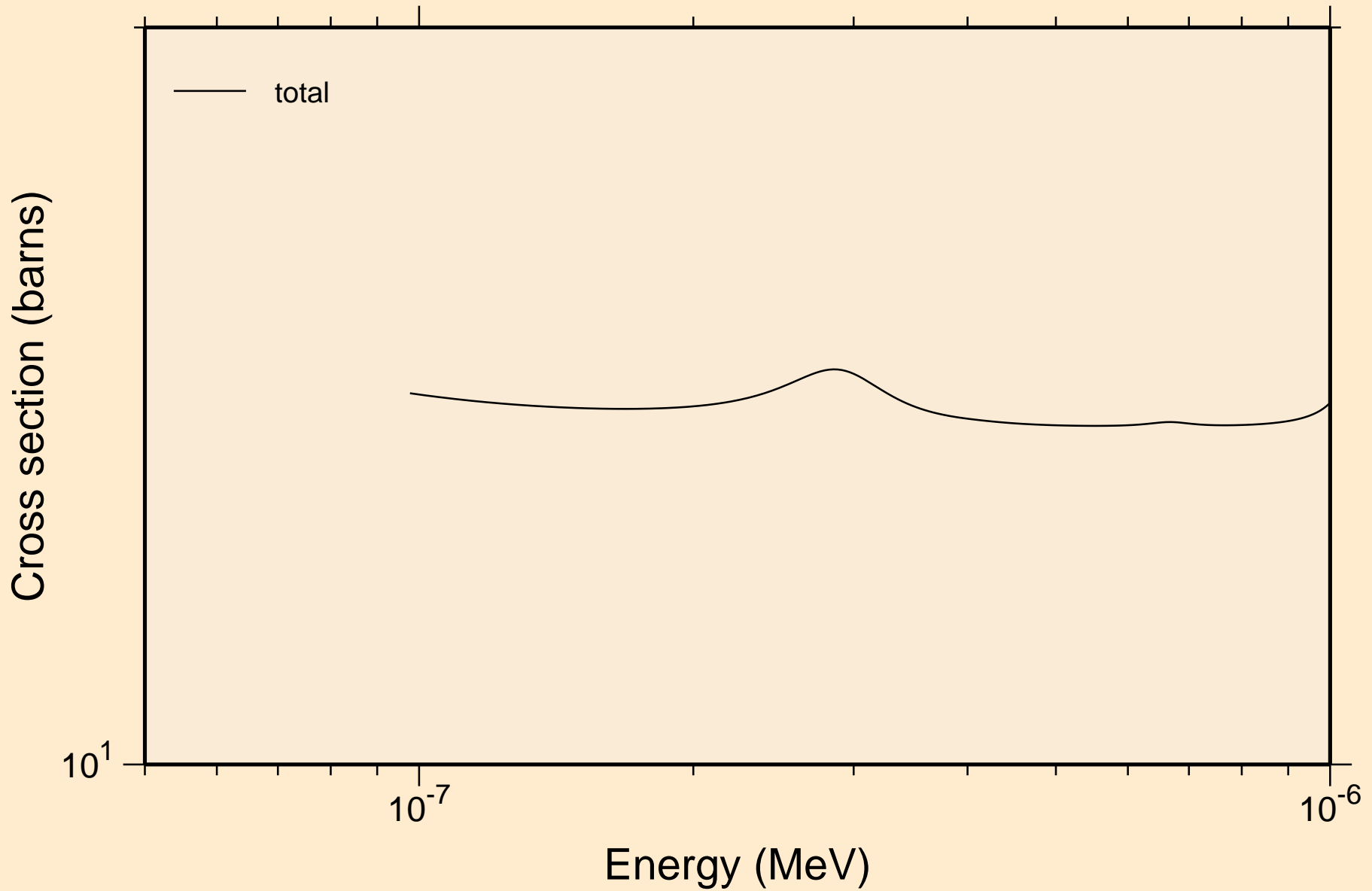


# HG193M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

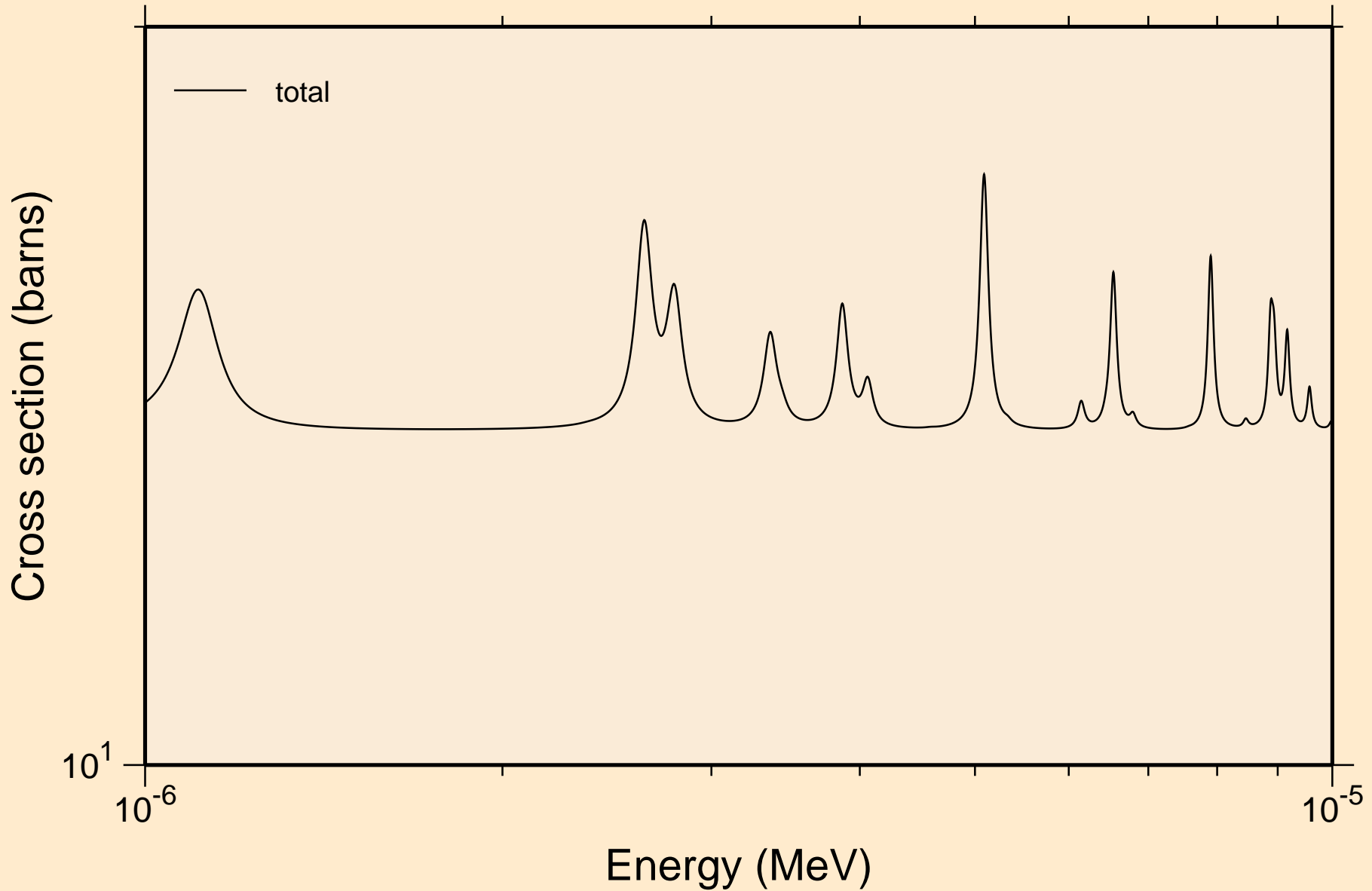
## Principal cross sections



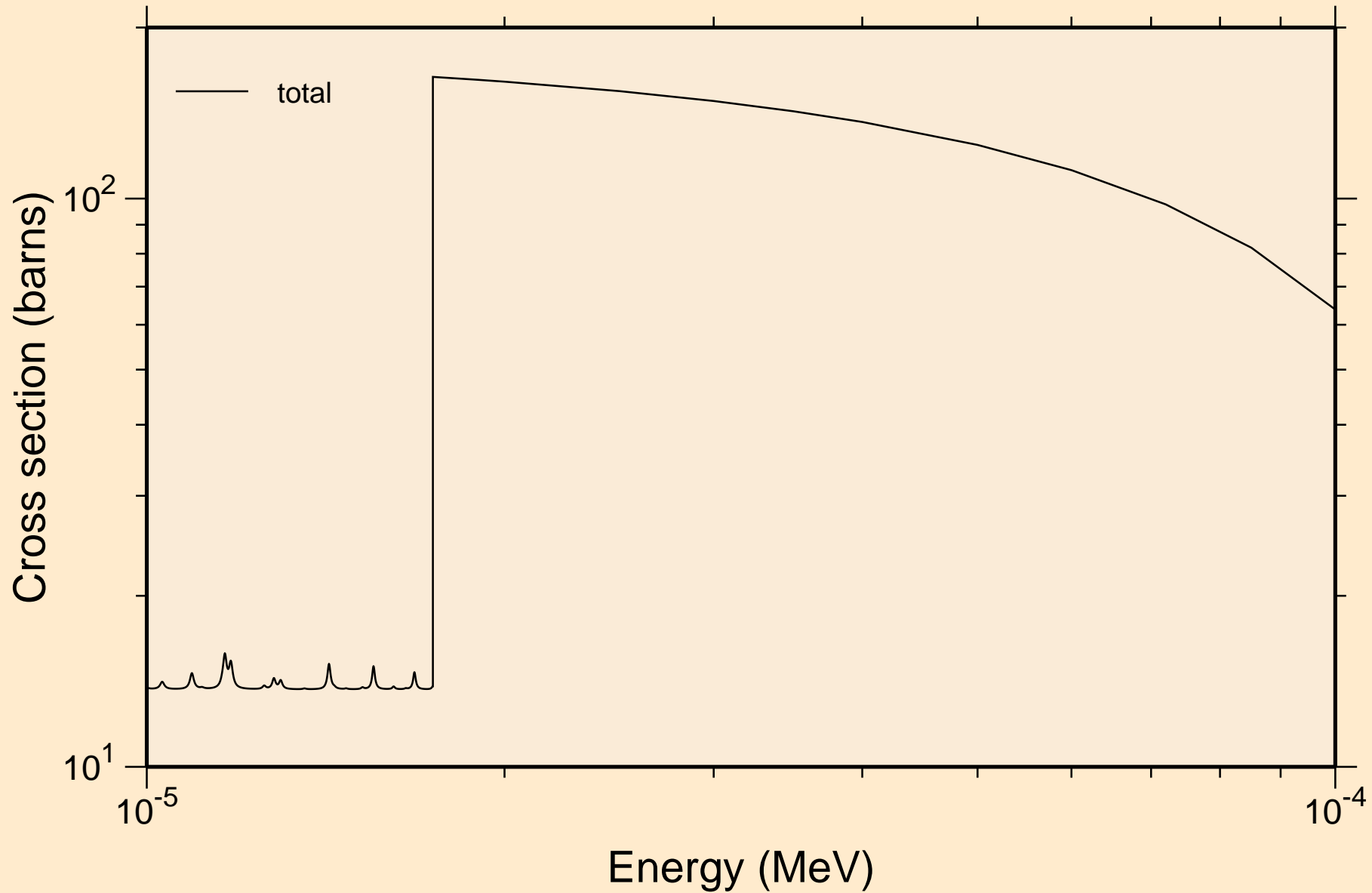
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resonance total cross section



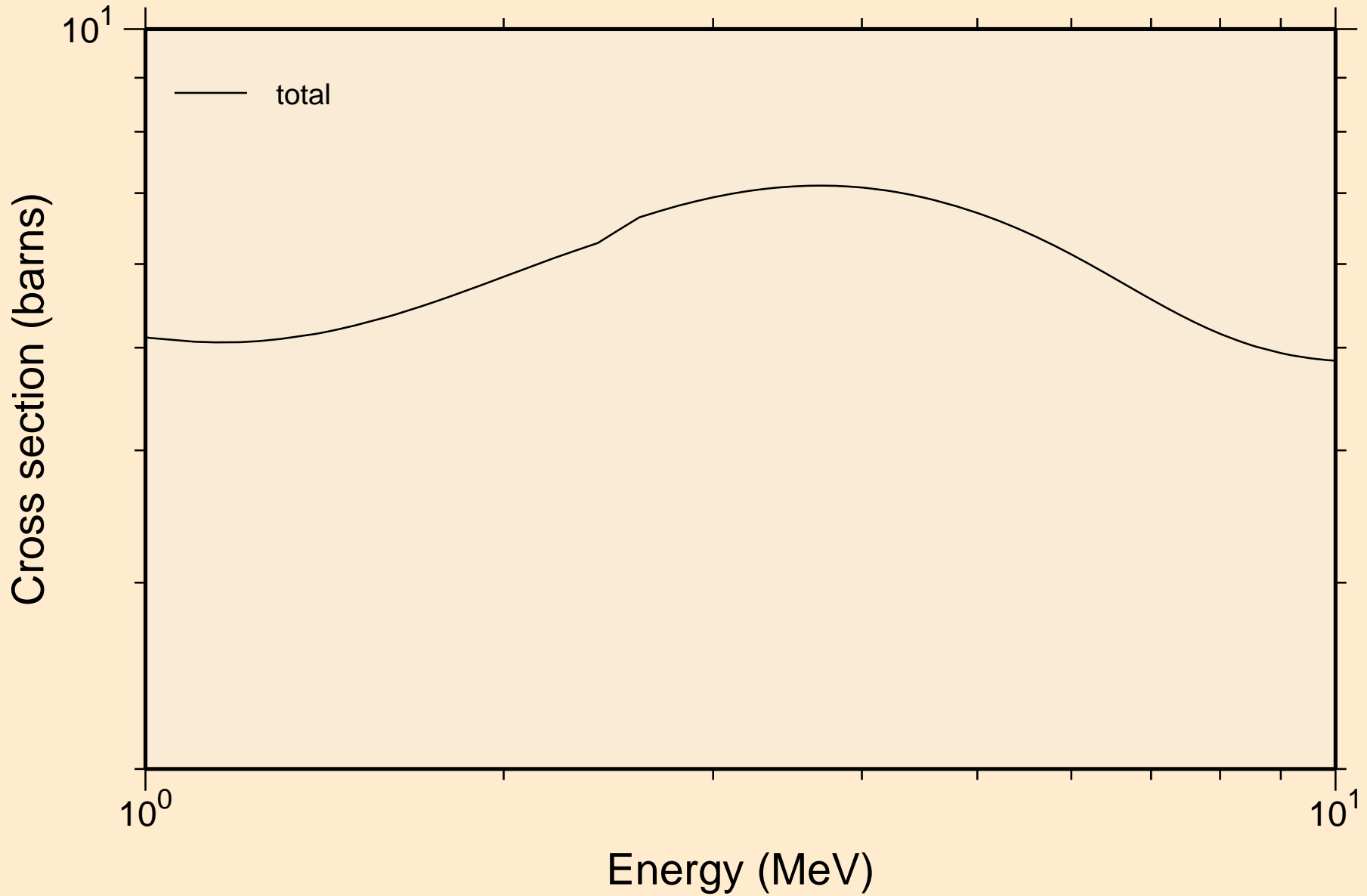
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resonance total cross section



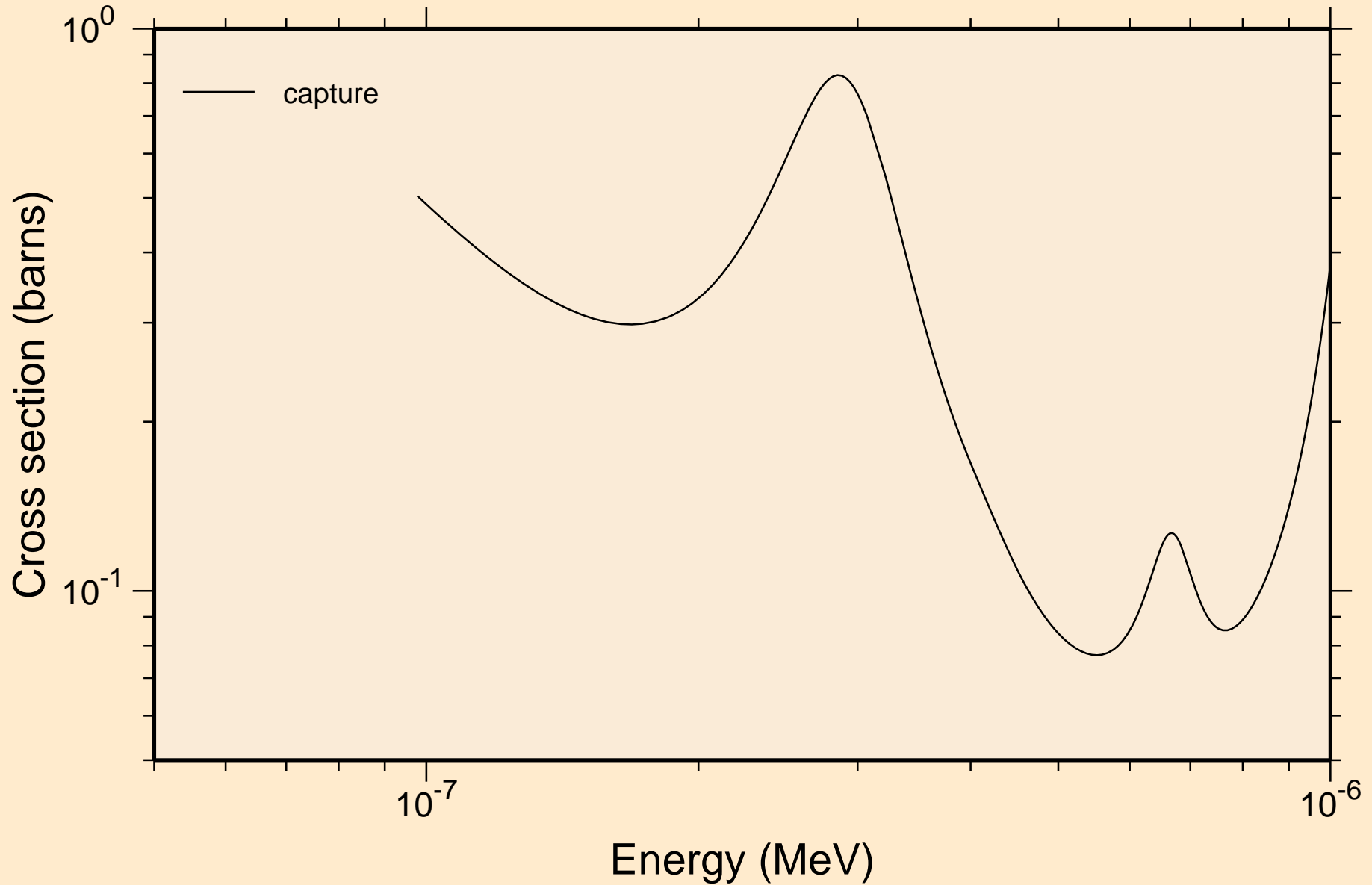
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resonance total cross section



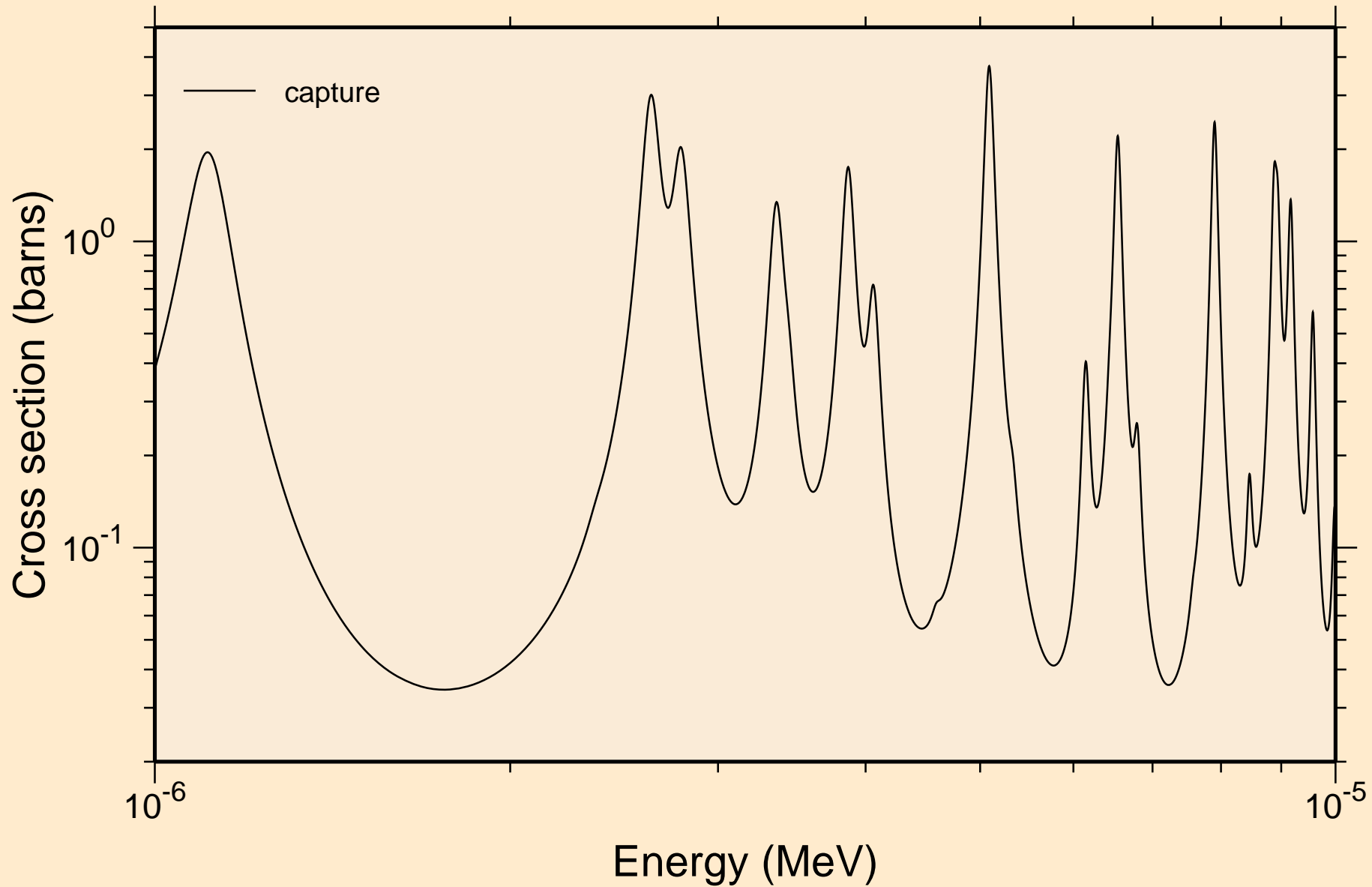
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resonance total cross section



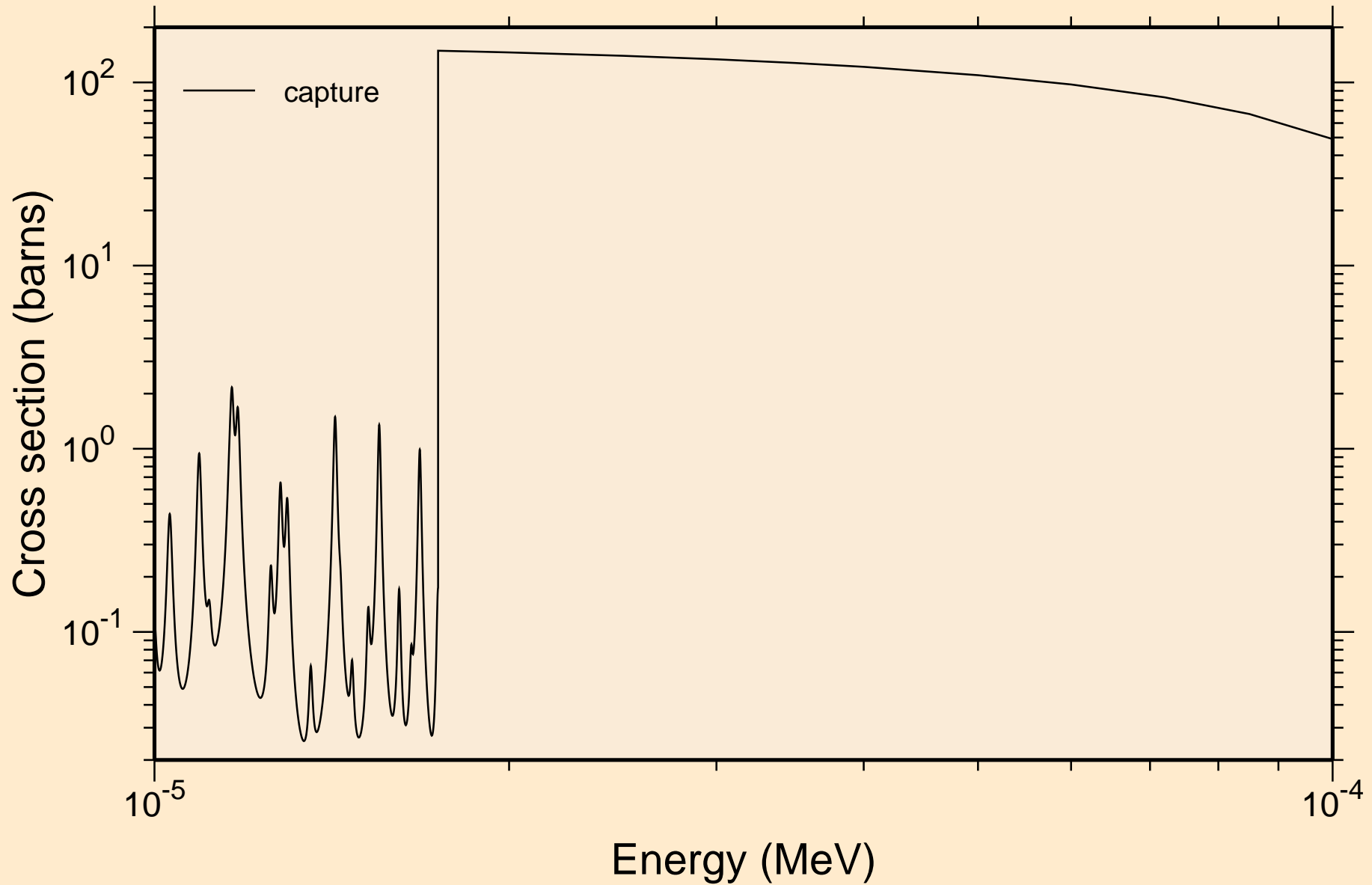
HG193M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
resonance absorption cross sections



HG193M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
resonance absorption cross sections

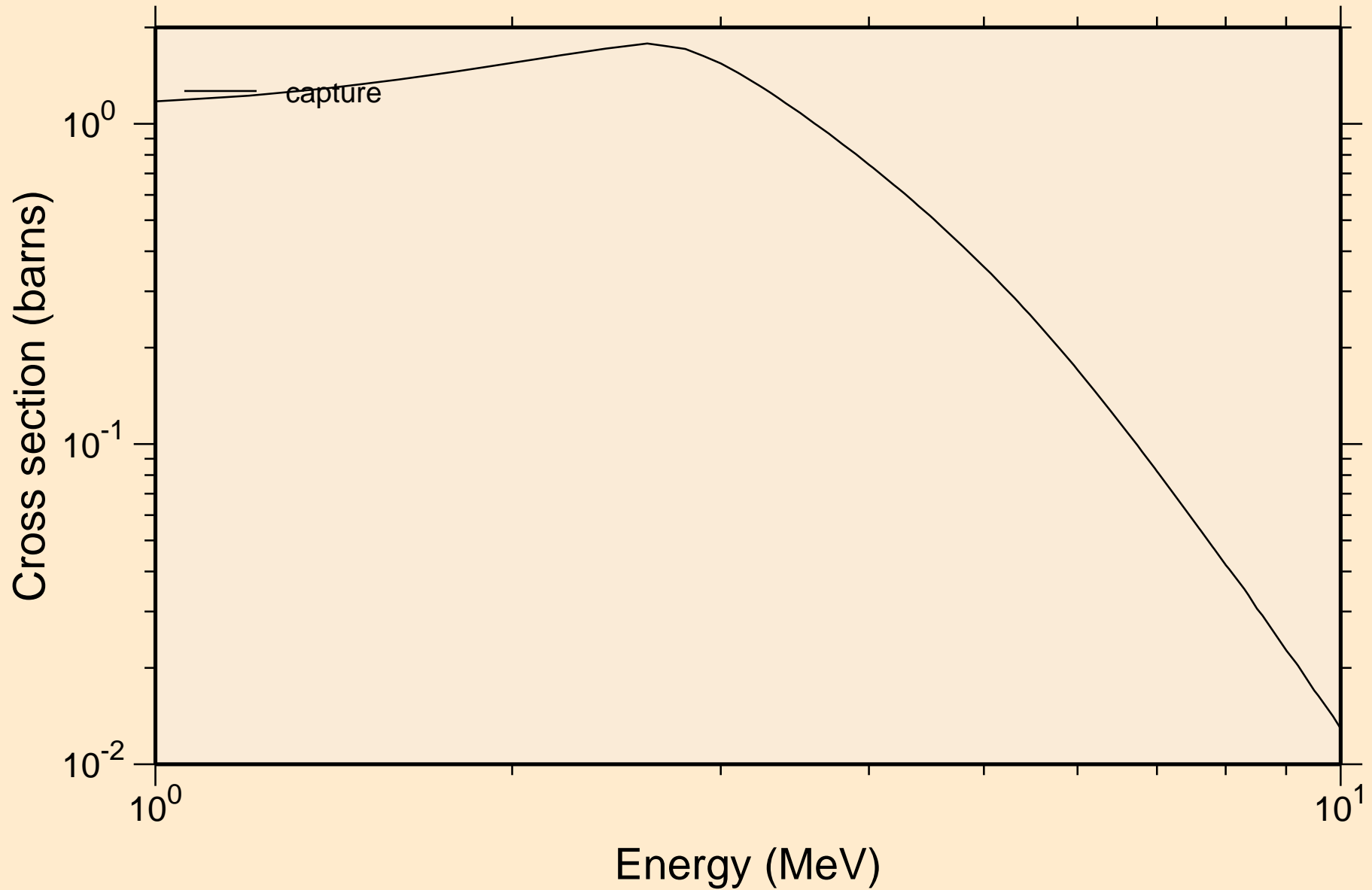


HG193M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
resonance absorption cross sections

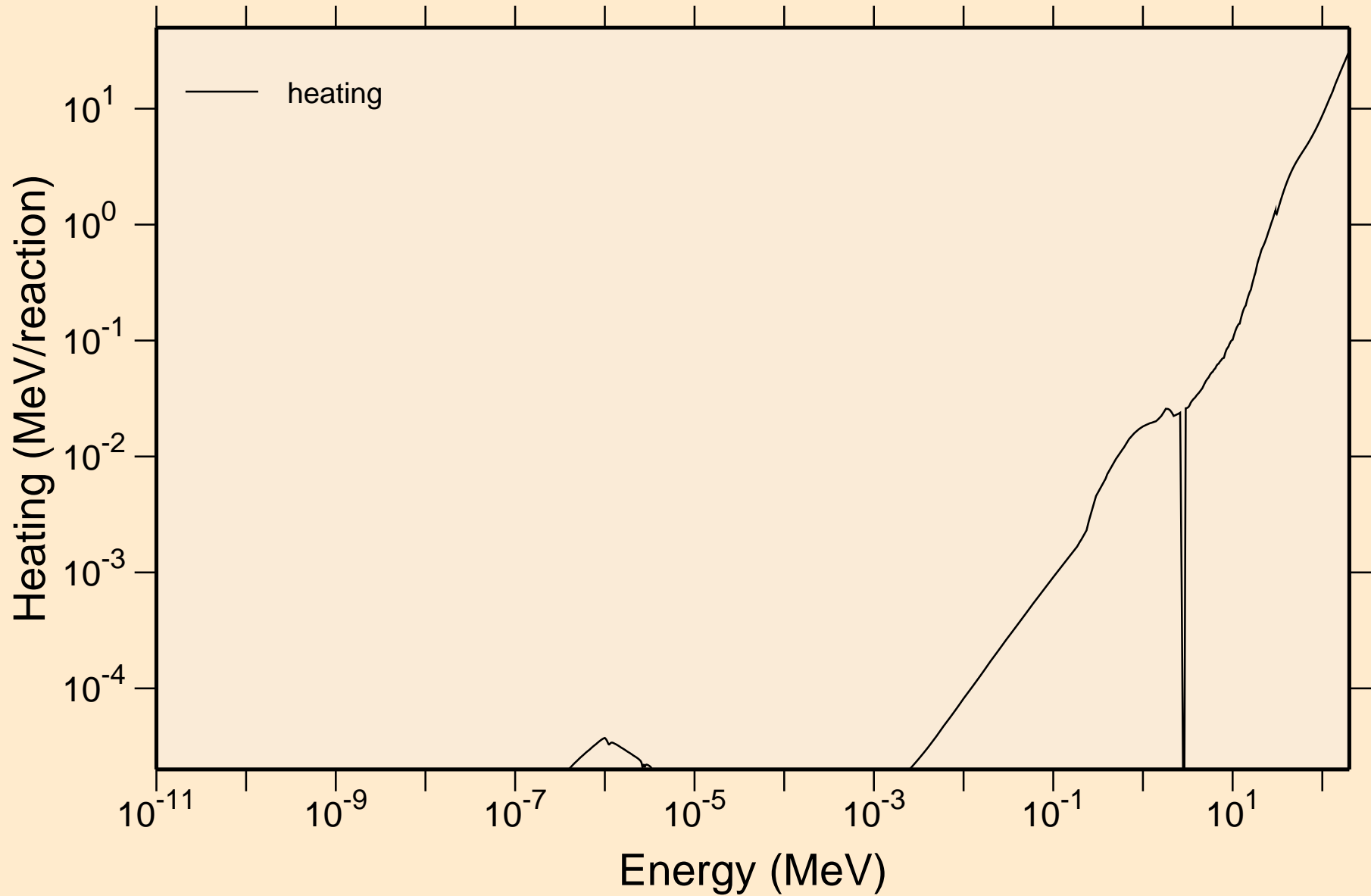




HG193M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
resonance absorption cross sections

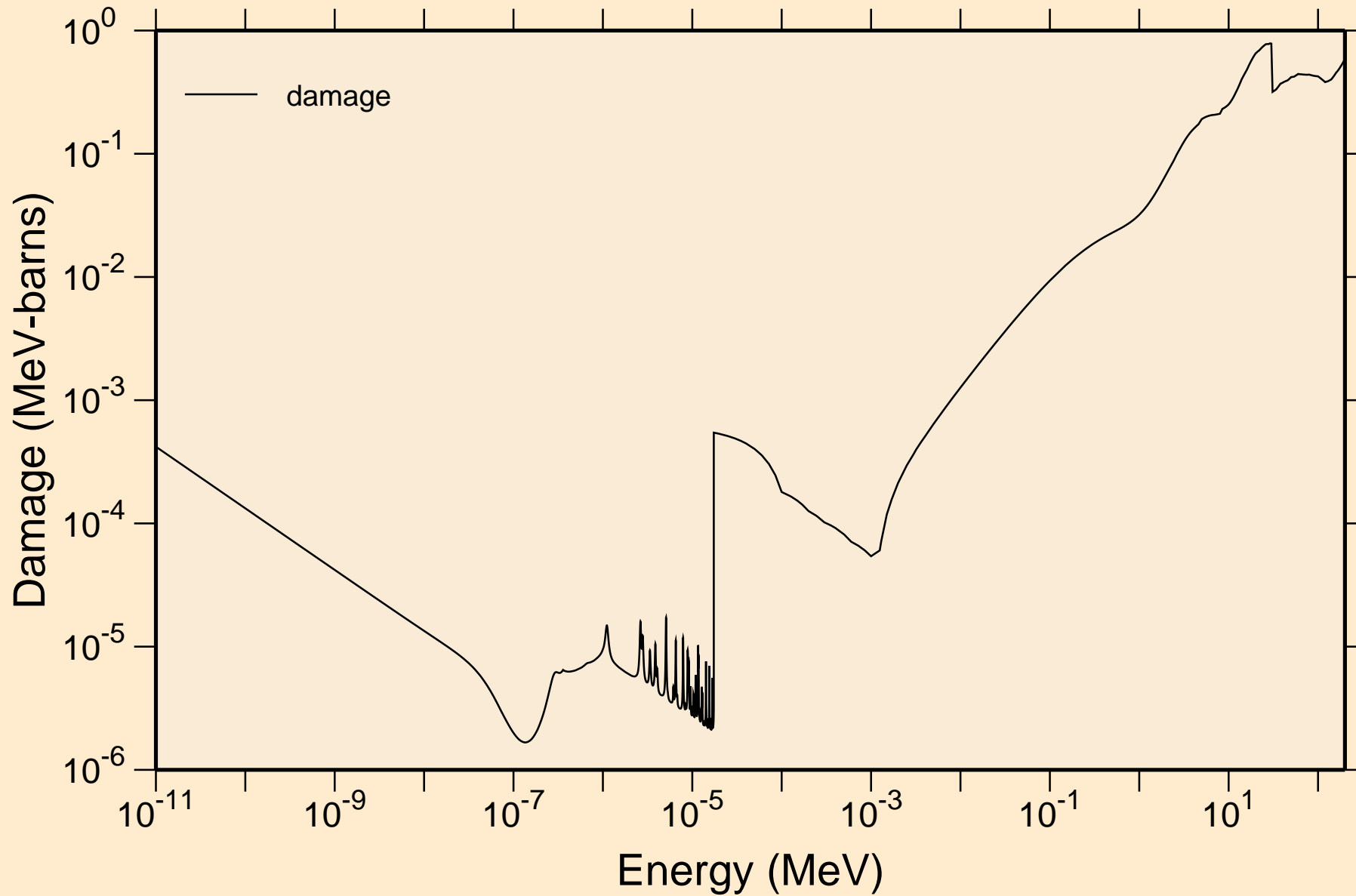


HG193M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Heating



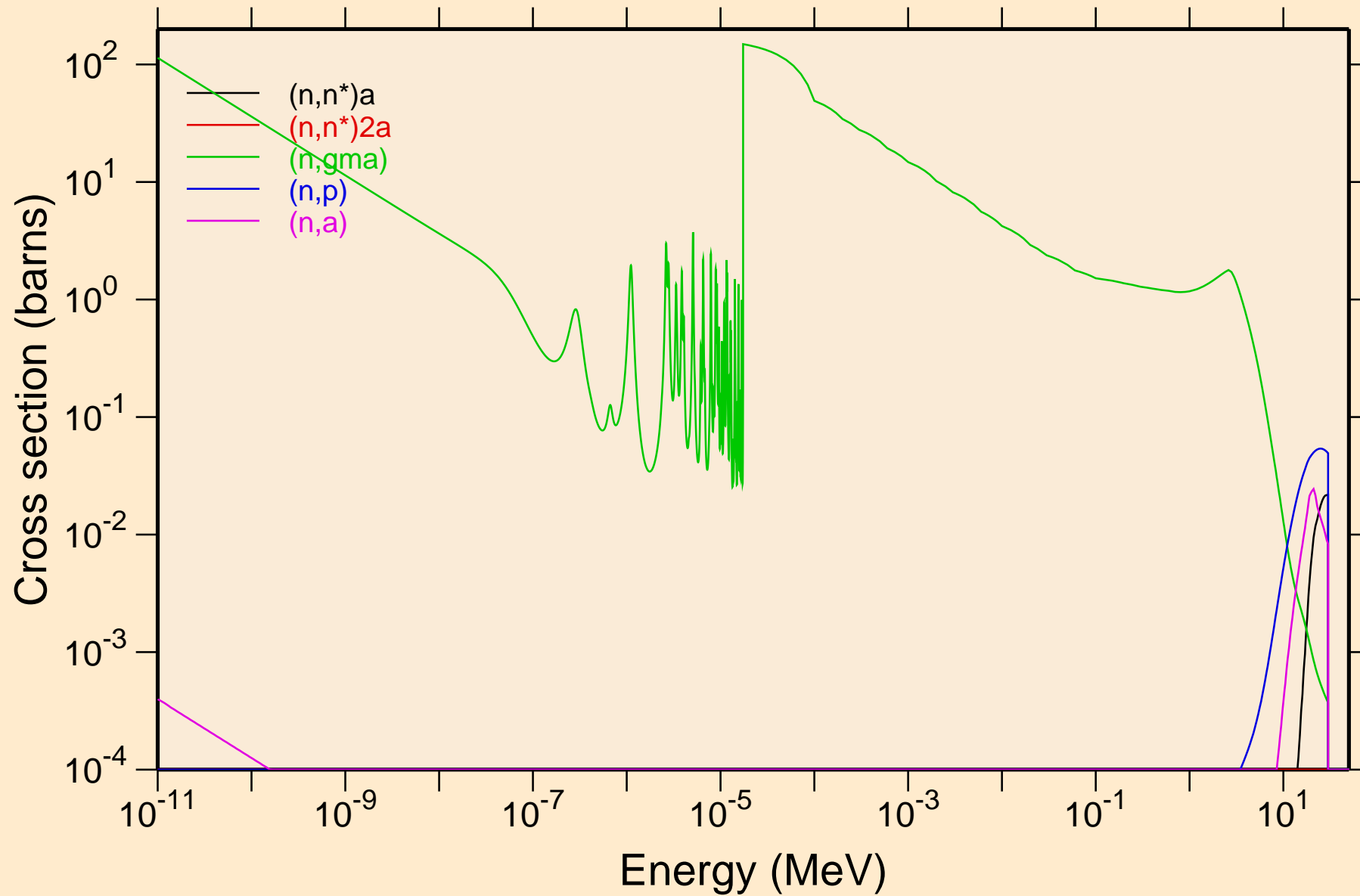
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## Damage



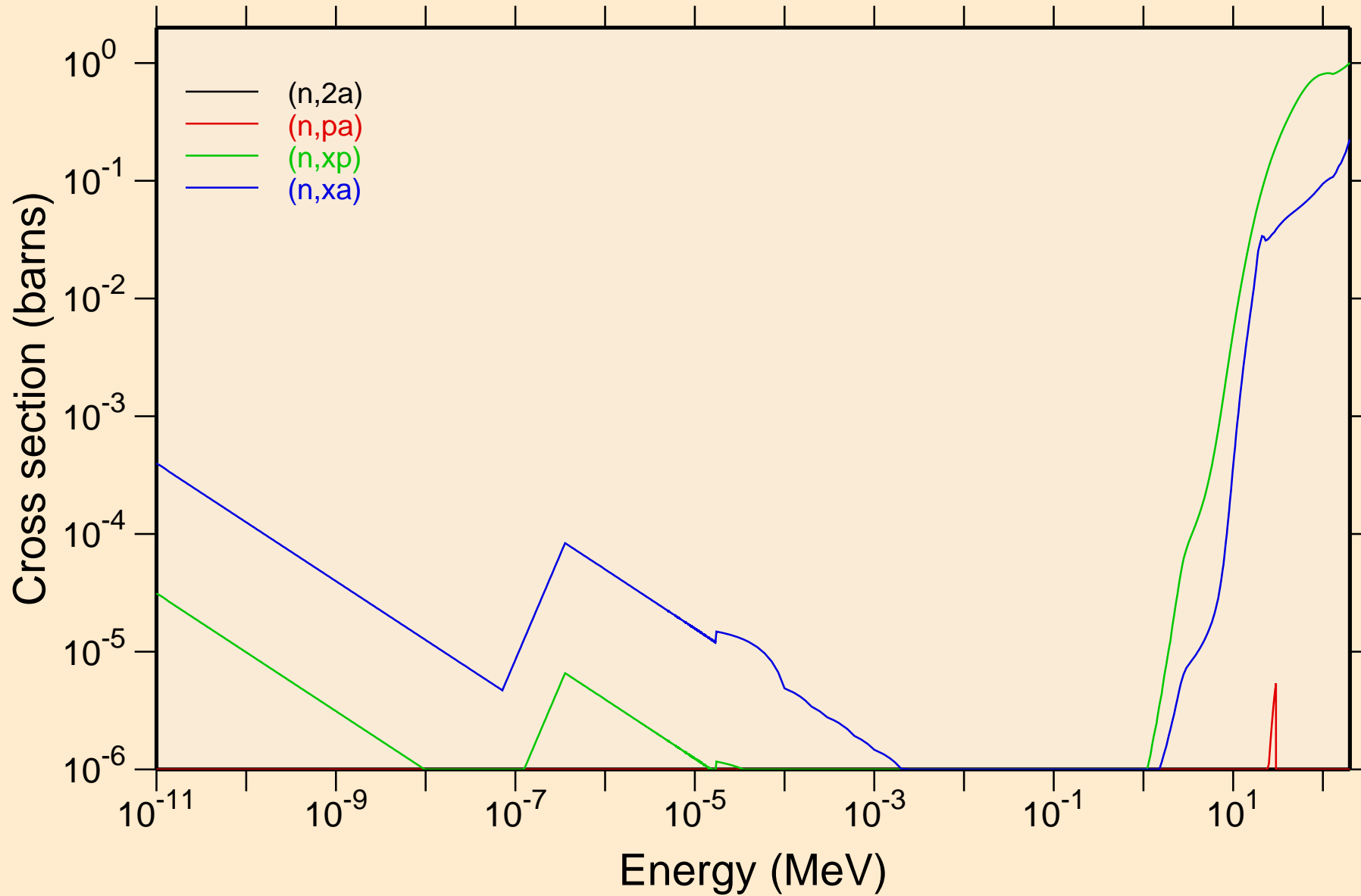
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## Non-threshold reactions



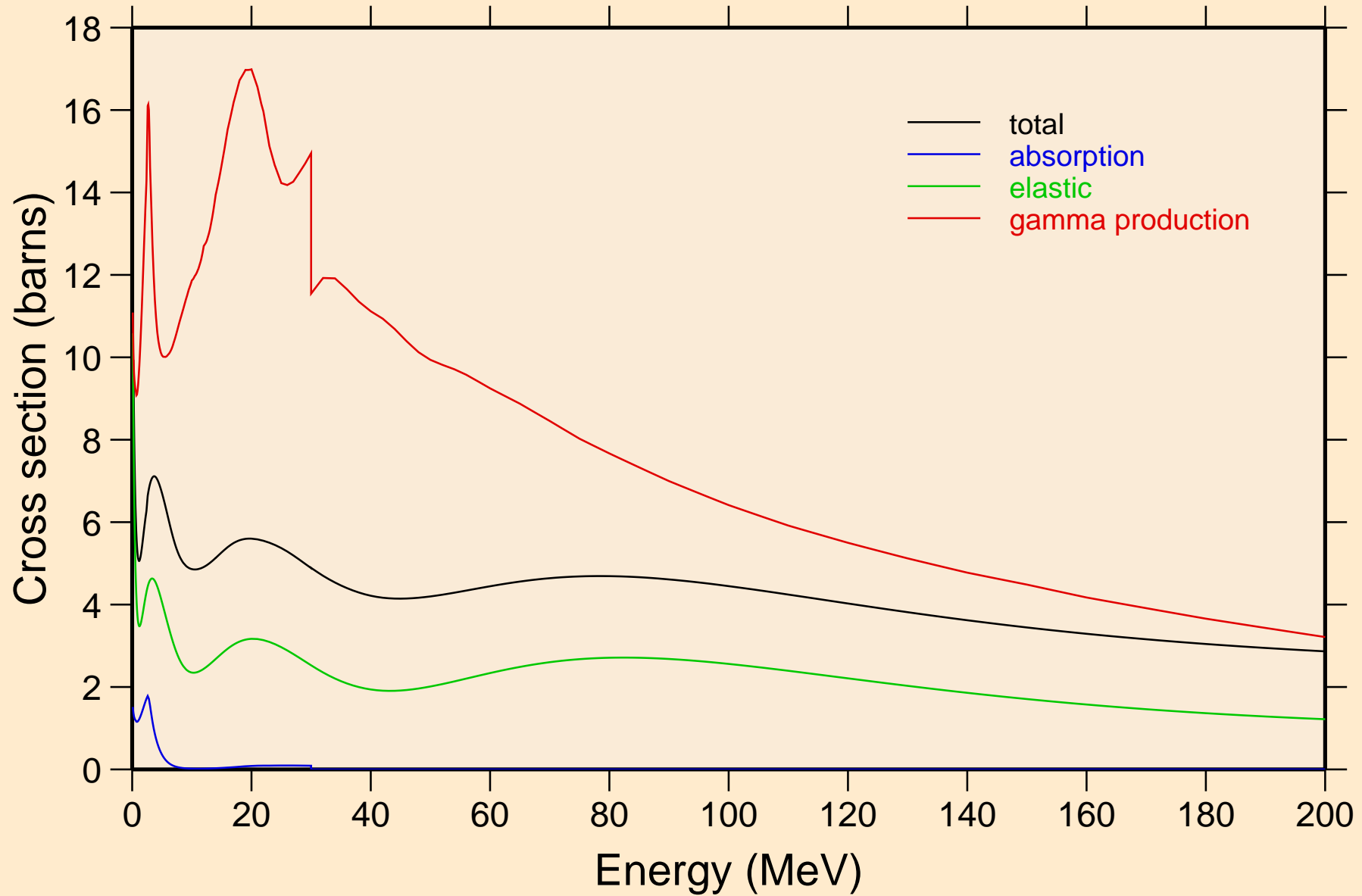
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## Non-threshold reactions



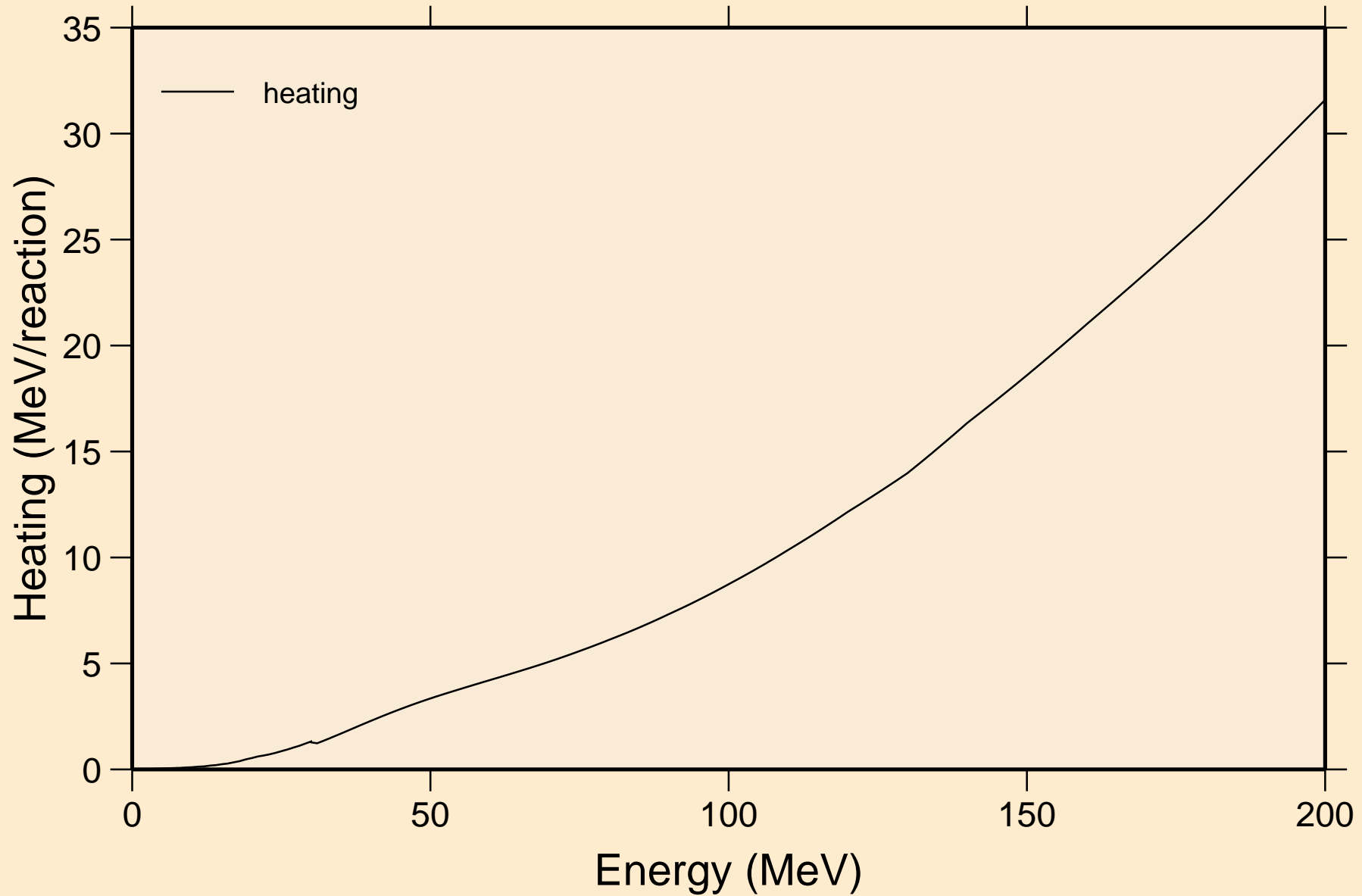
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## Principal cross sections



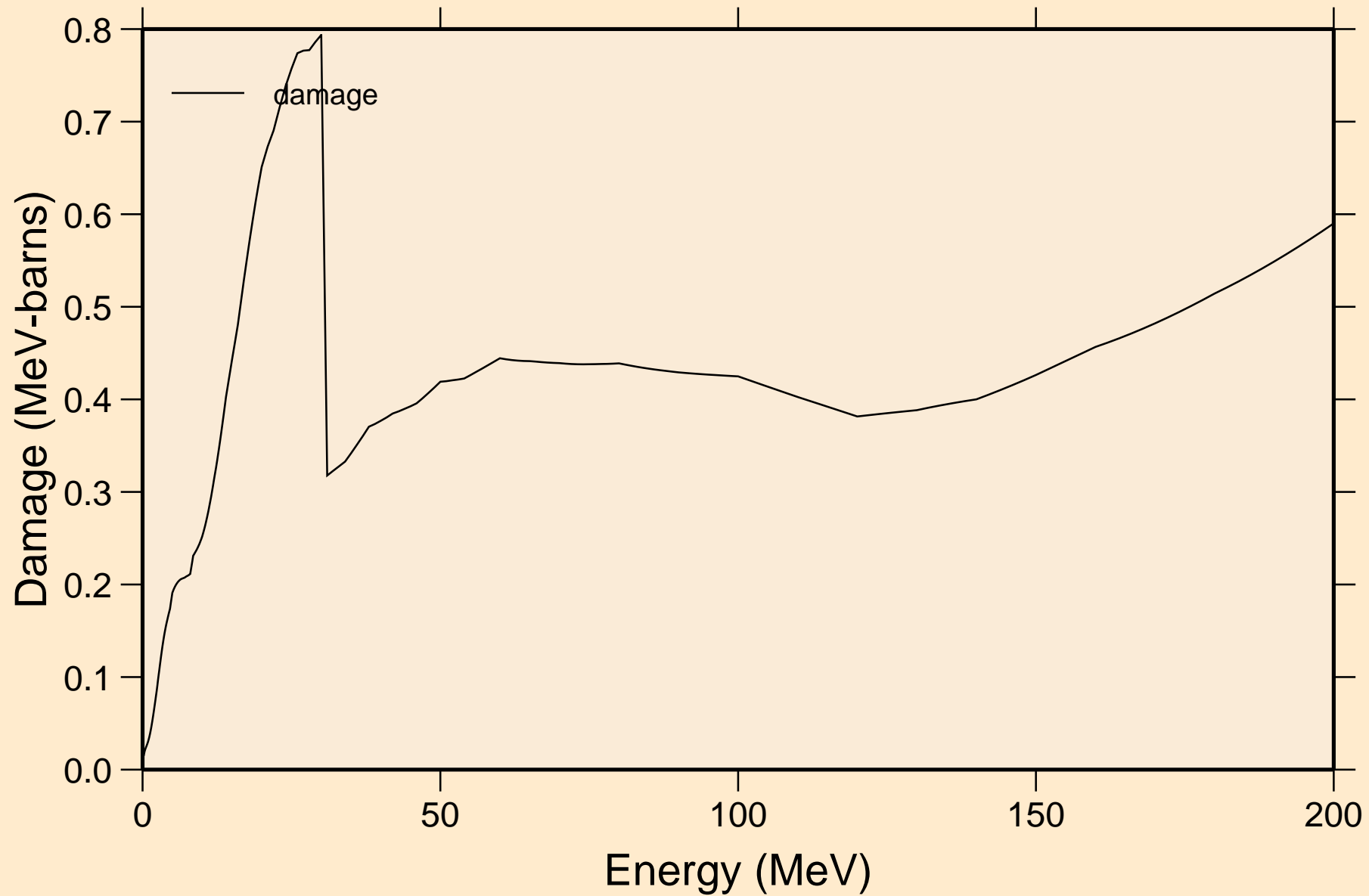
# HG193M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

## Heating



# HG193M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

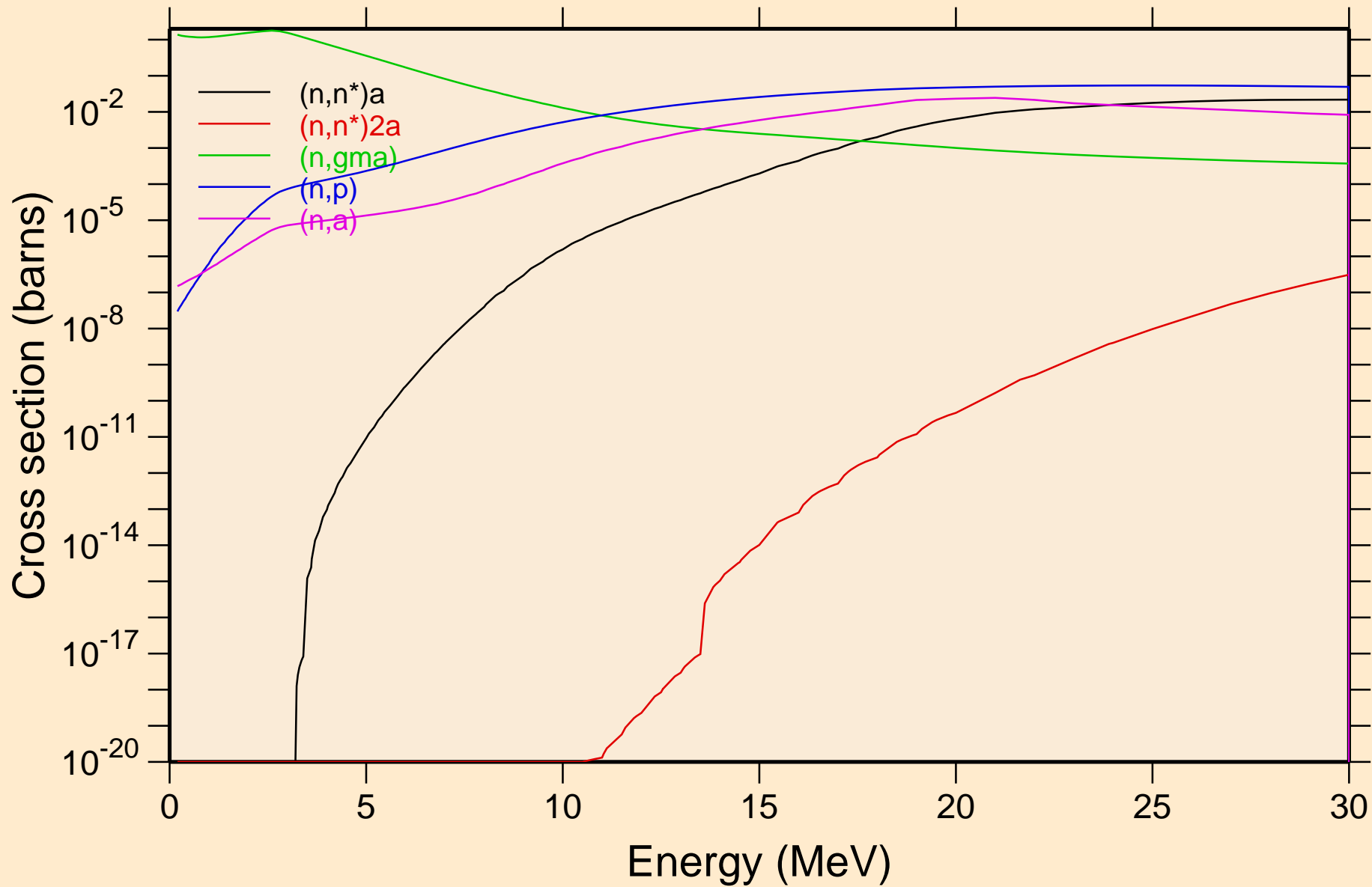
## Damage





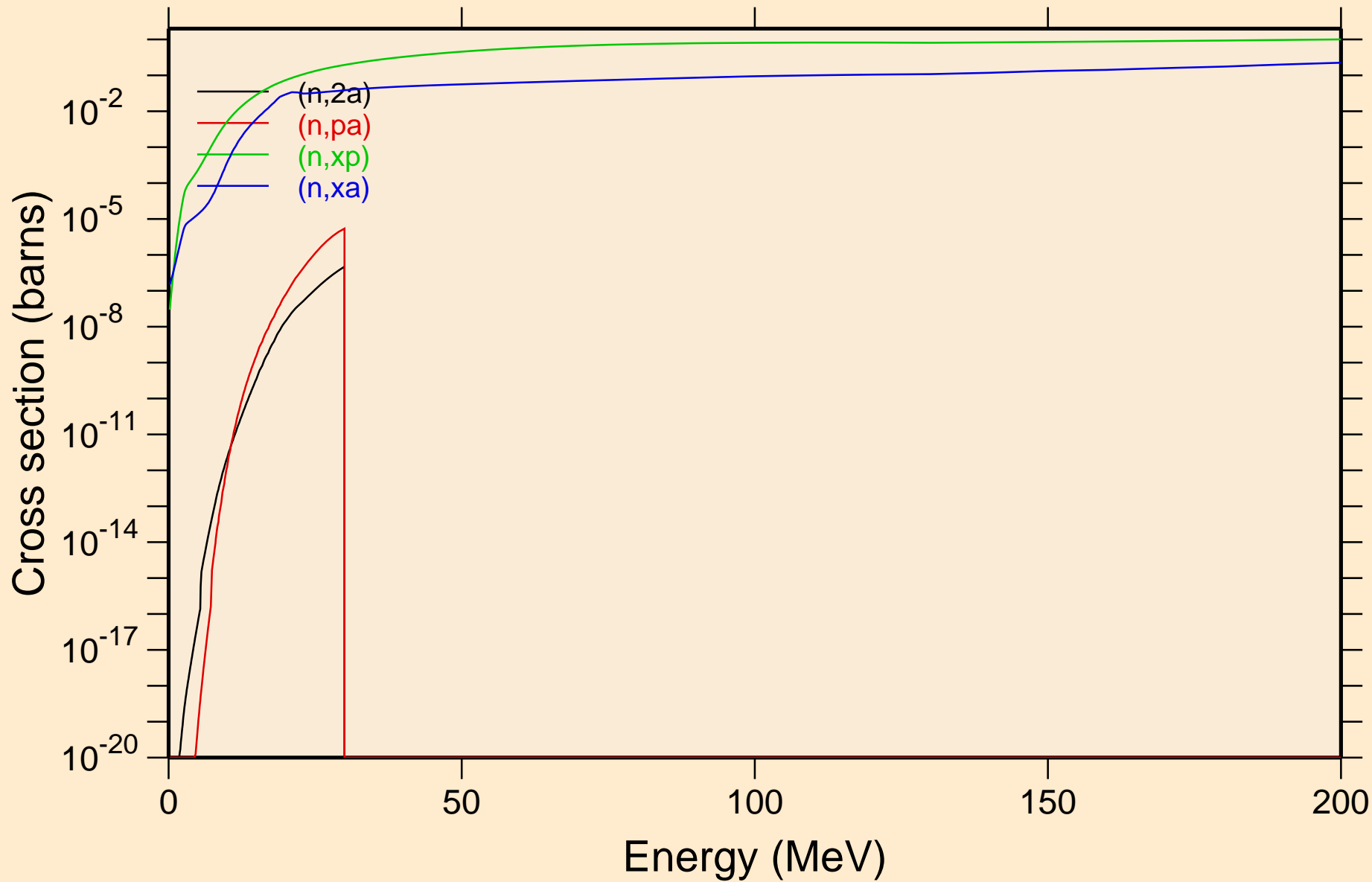
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## Non-threshold reactions

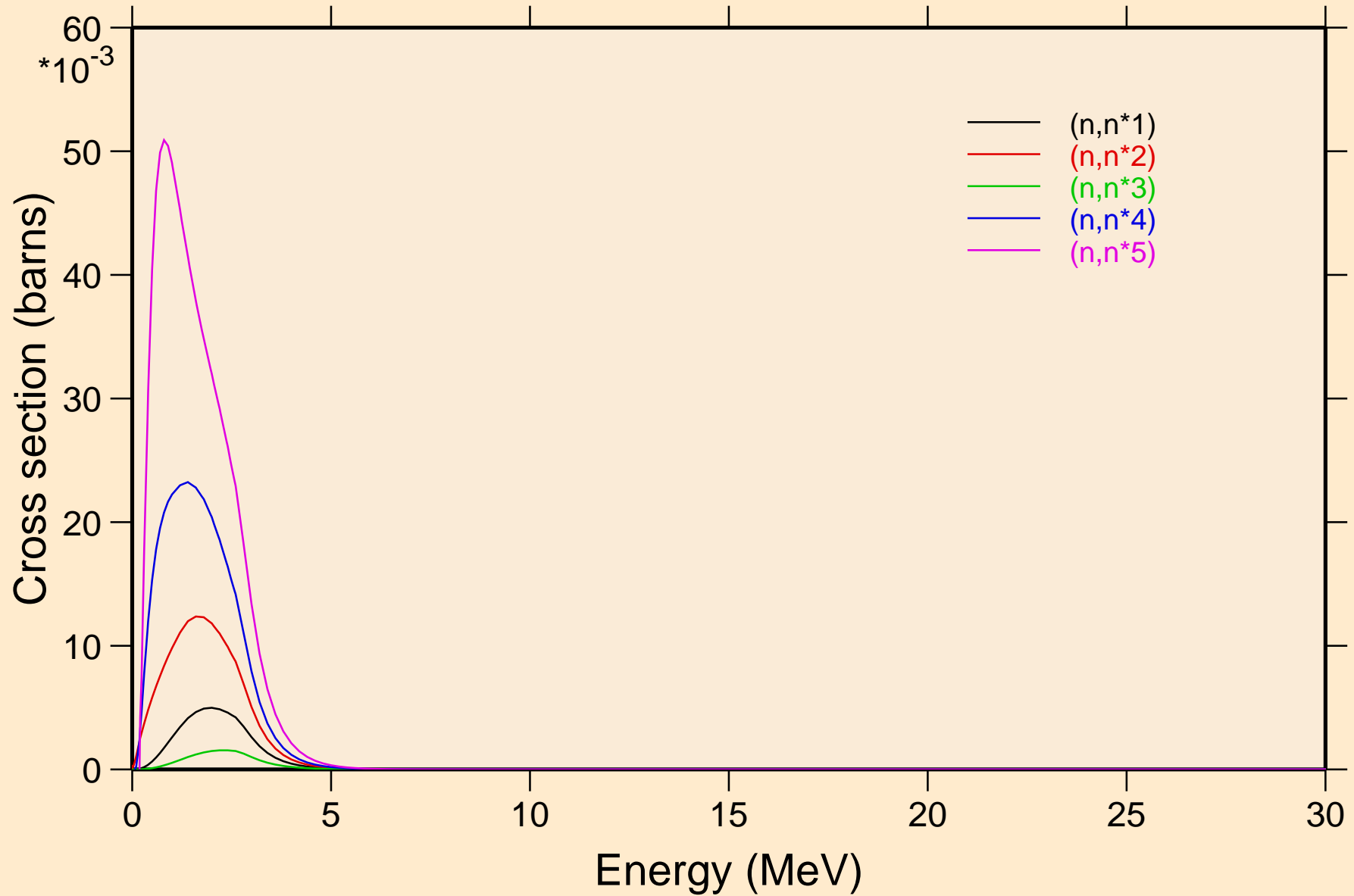


# HG193M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

## Non-threshold reactions

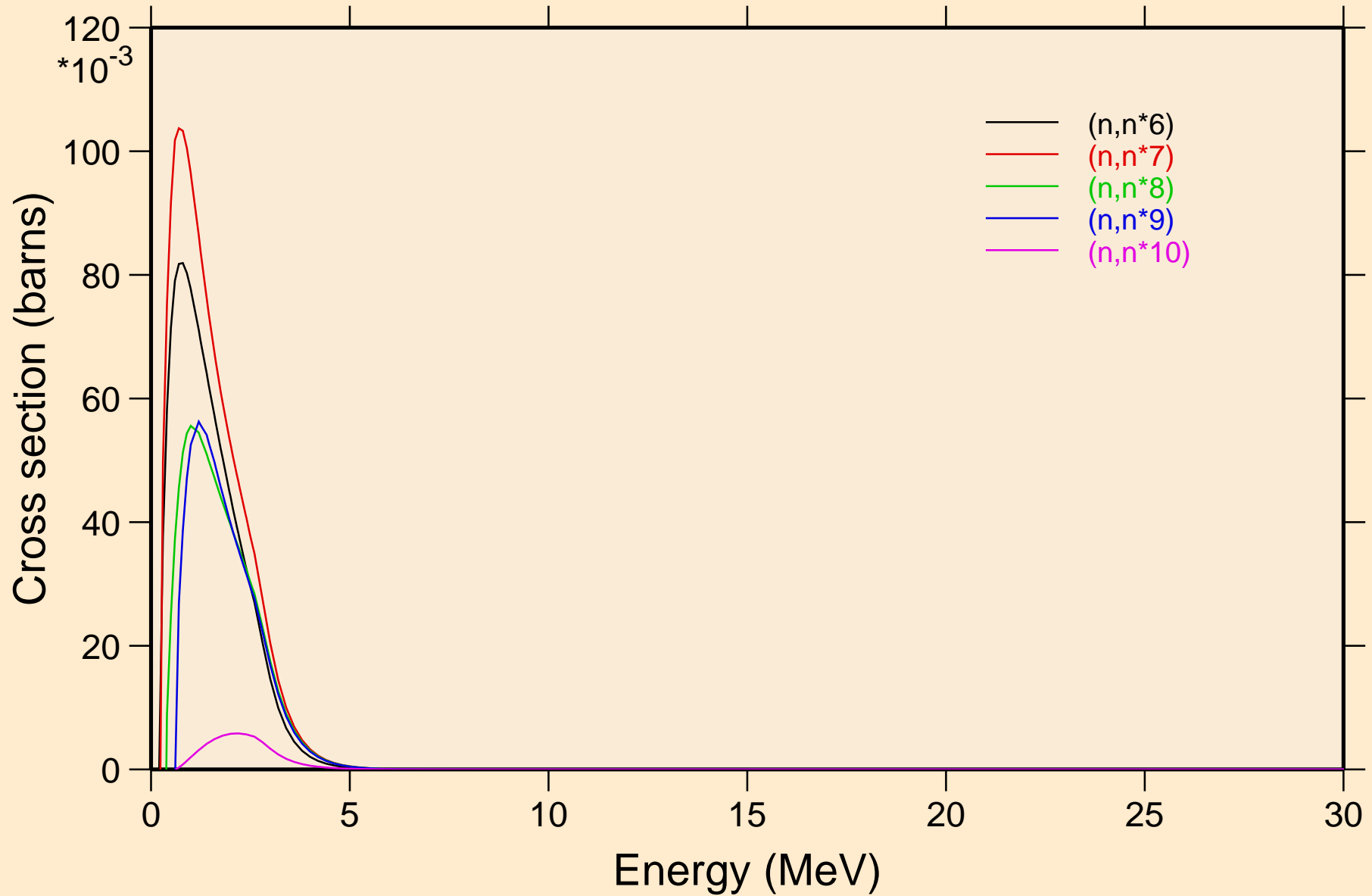


HG193M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Inelastic levels

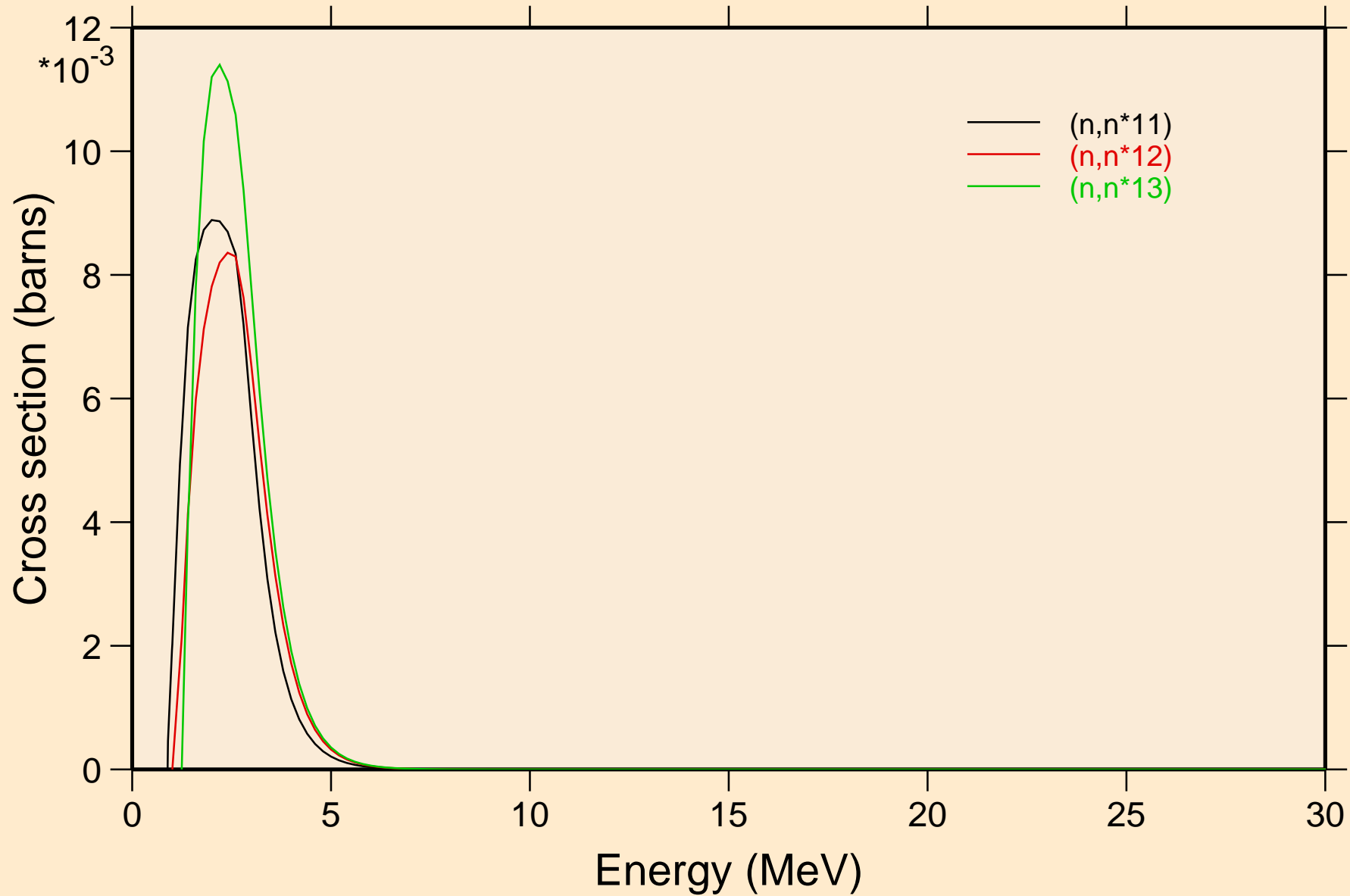


# HG193M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

## Inelastic levels

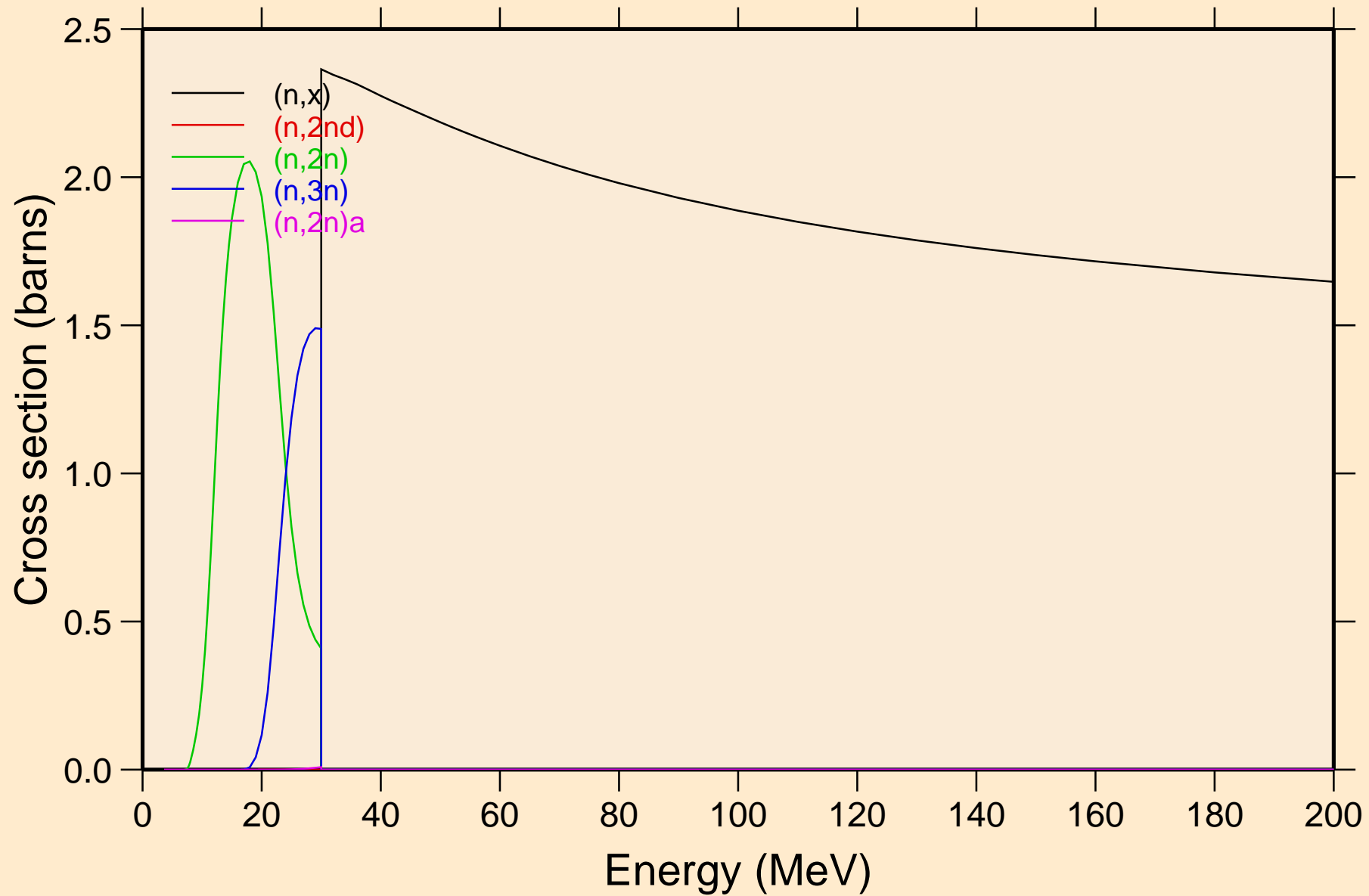


HG193M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Inelastic levels



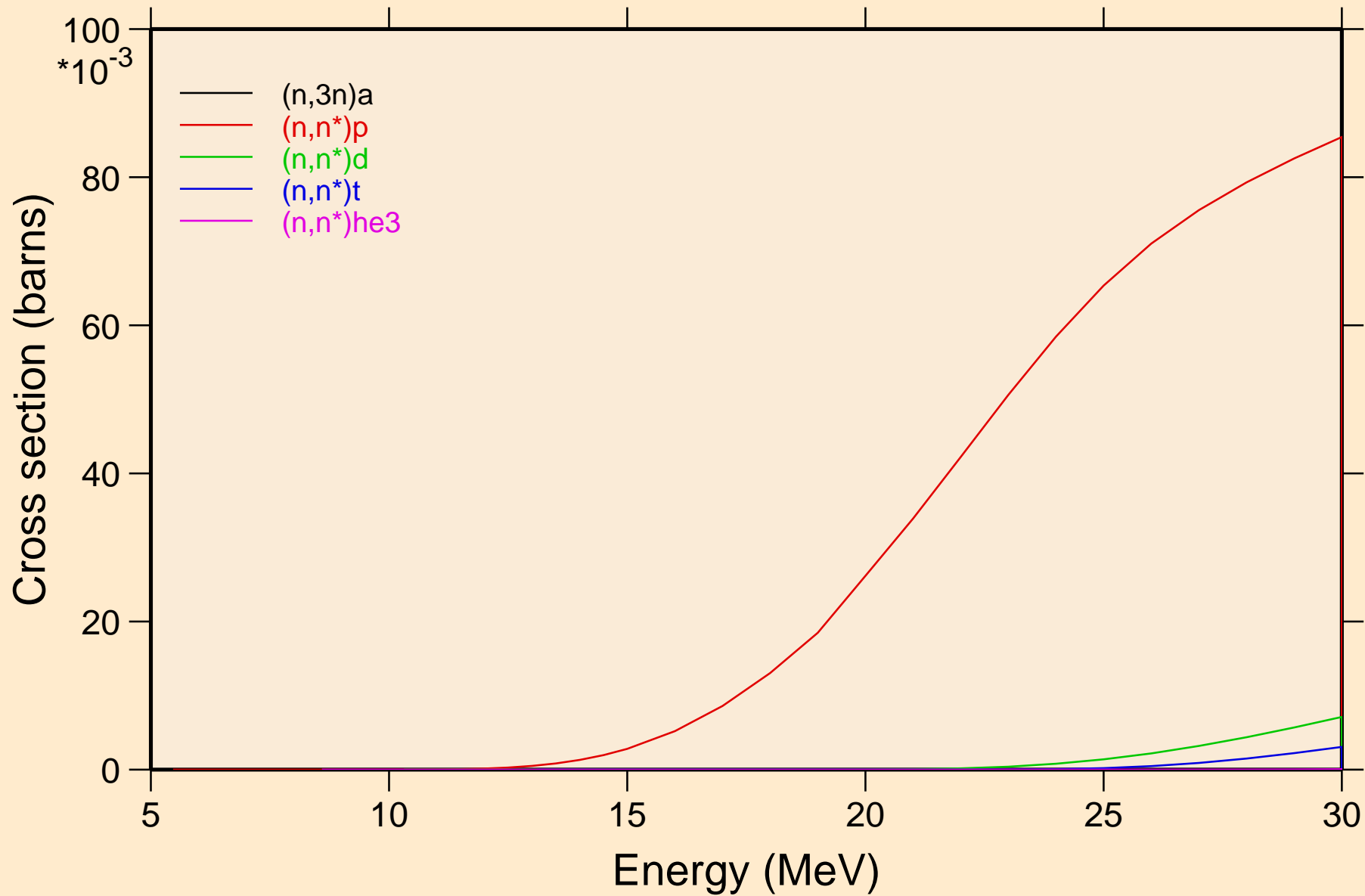
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## Threshold reactions



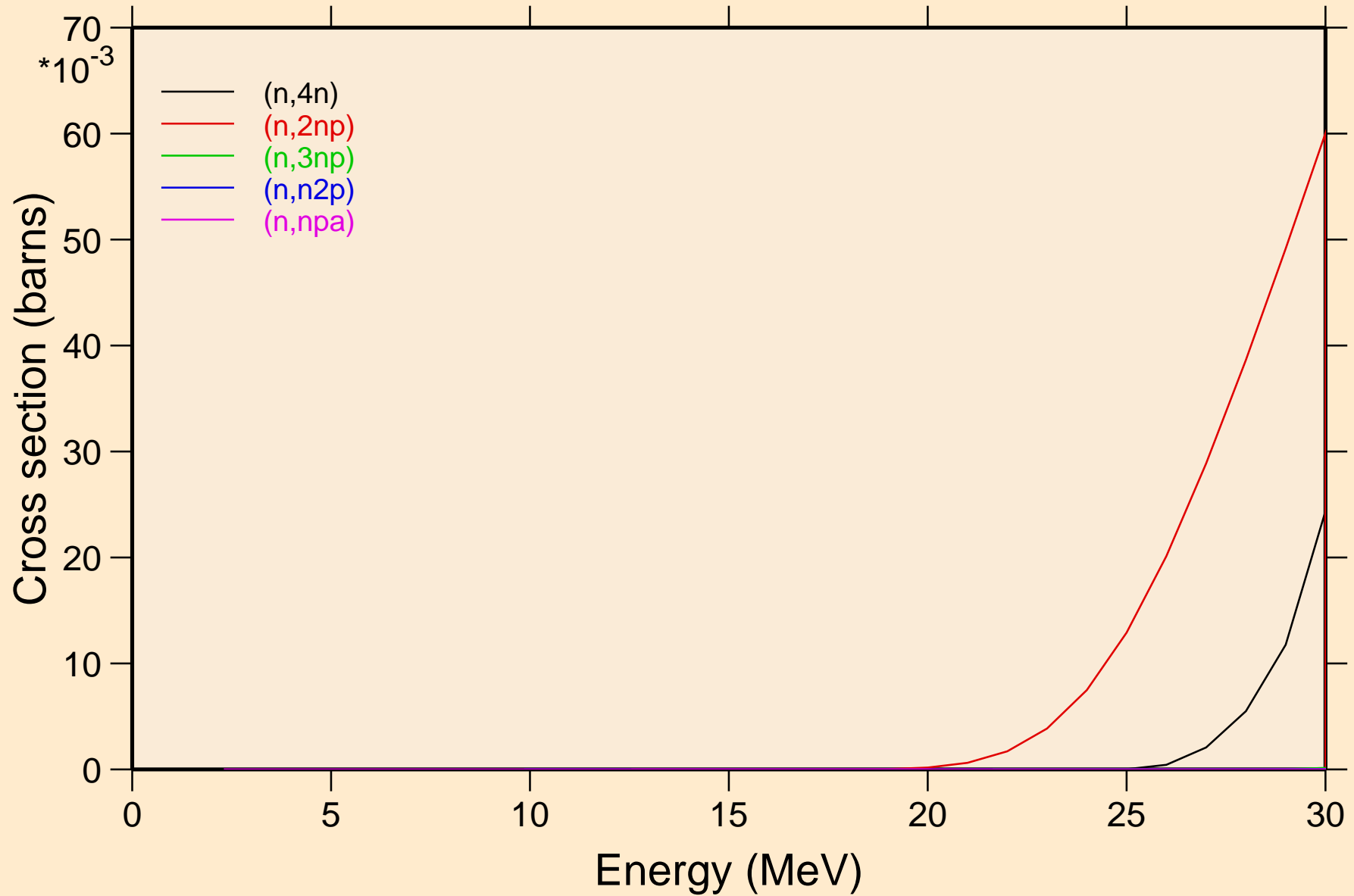
# HG193M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

## Threshold reactions



# HG193M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

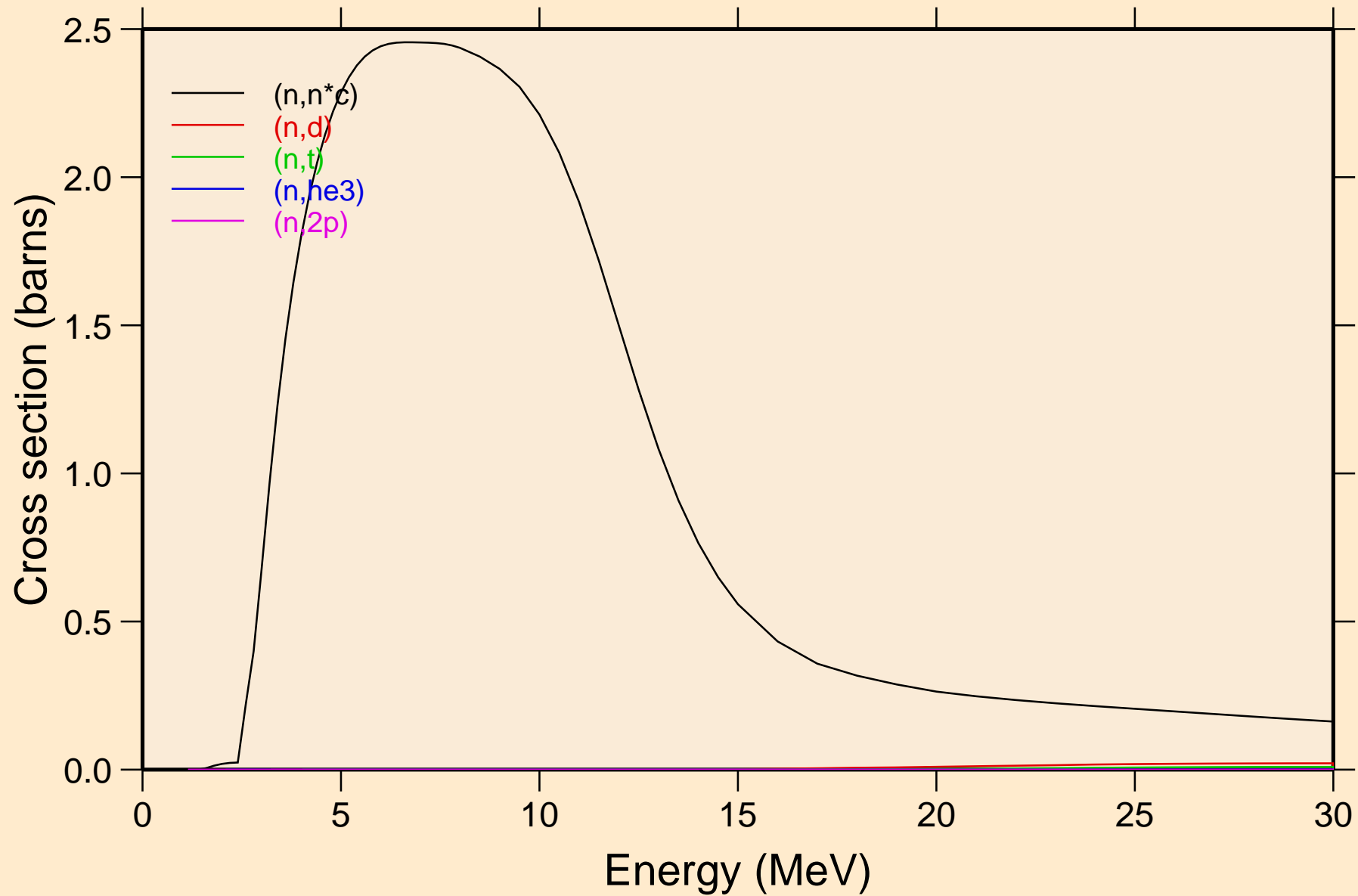
## Threshold reactions





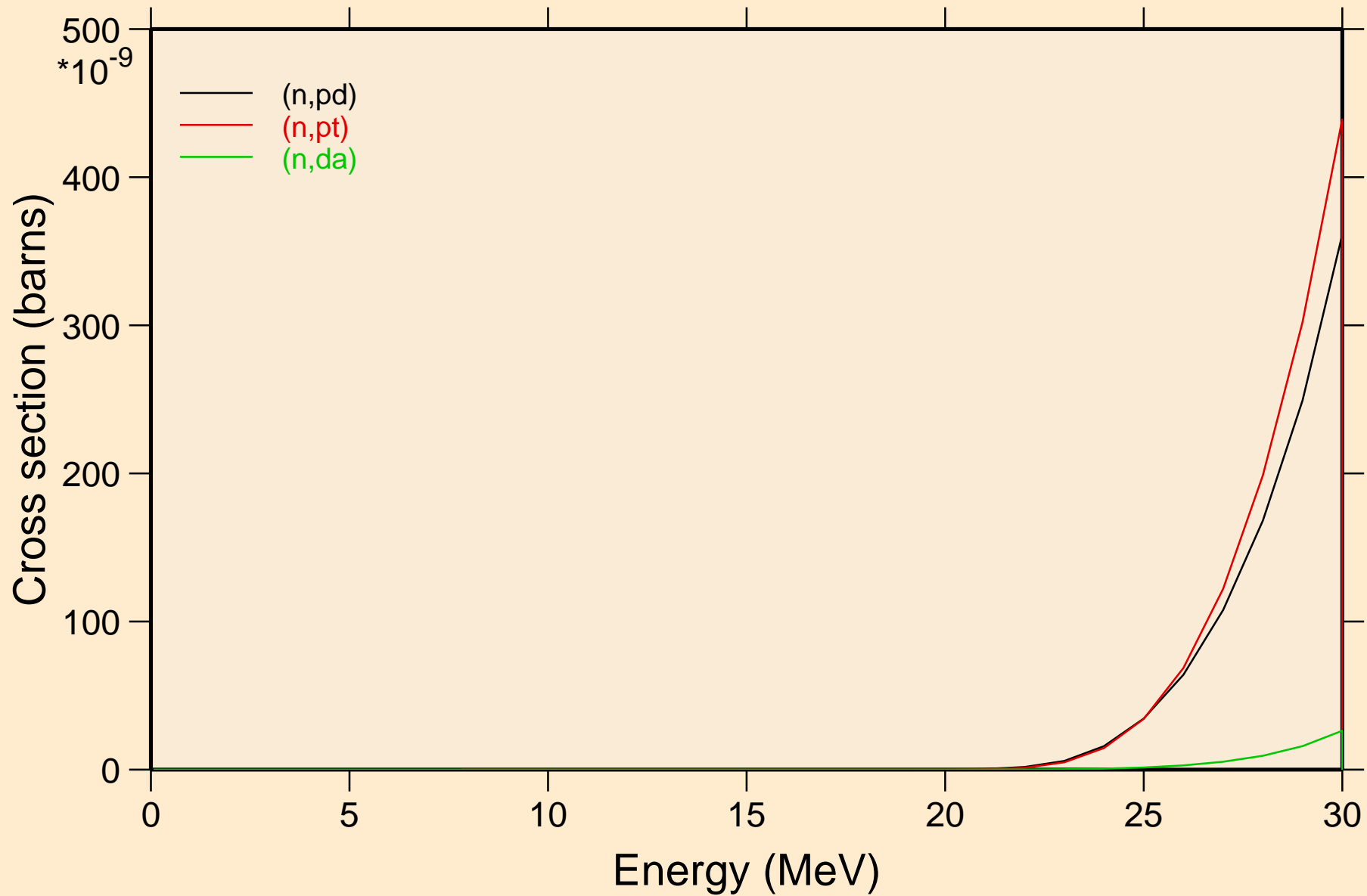
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## Threshold reactions



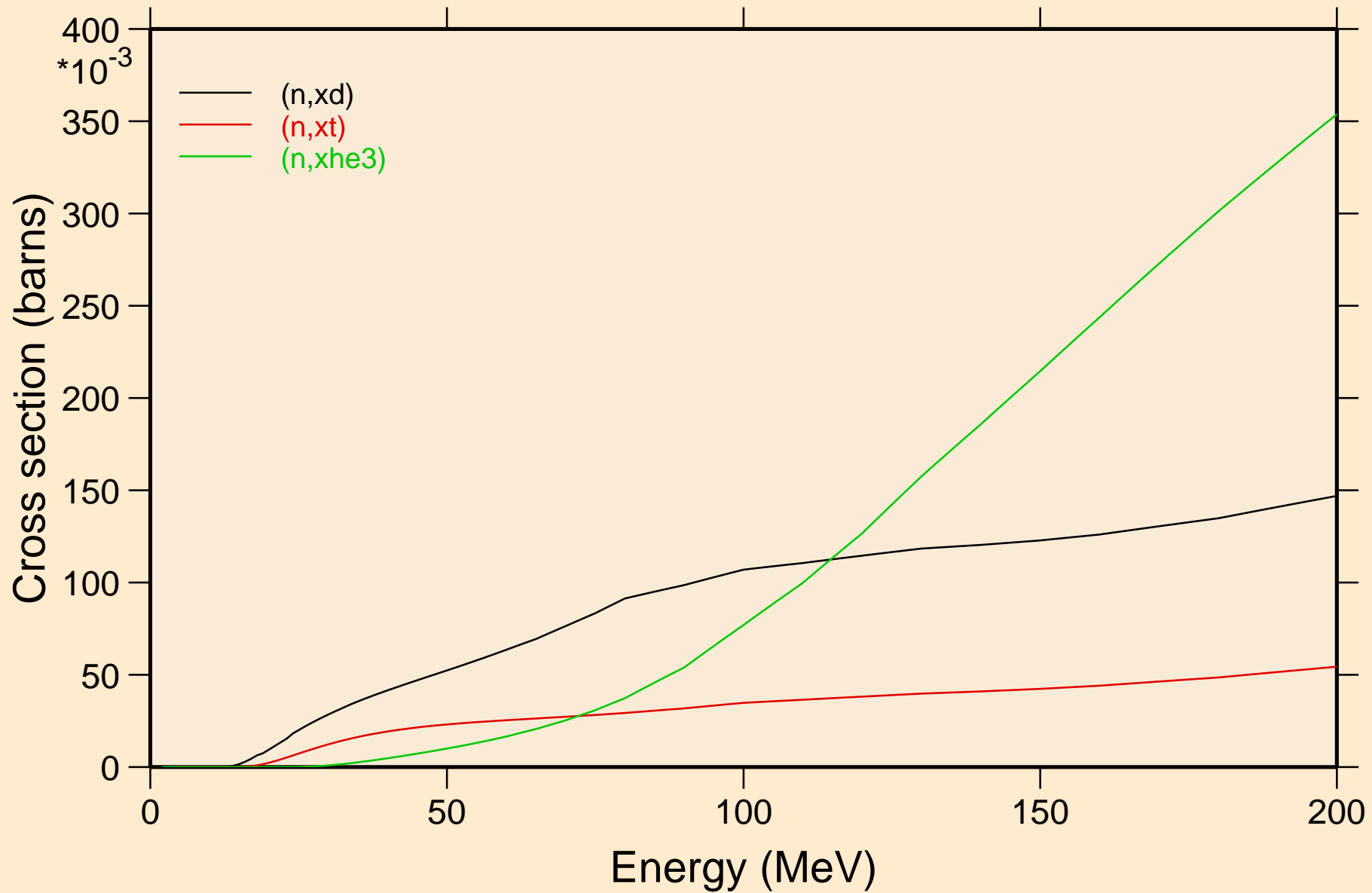
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## Threshold reactions

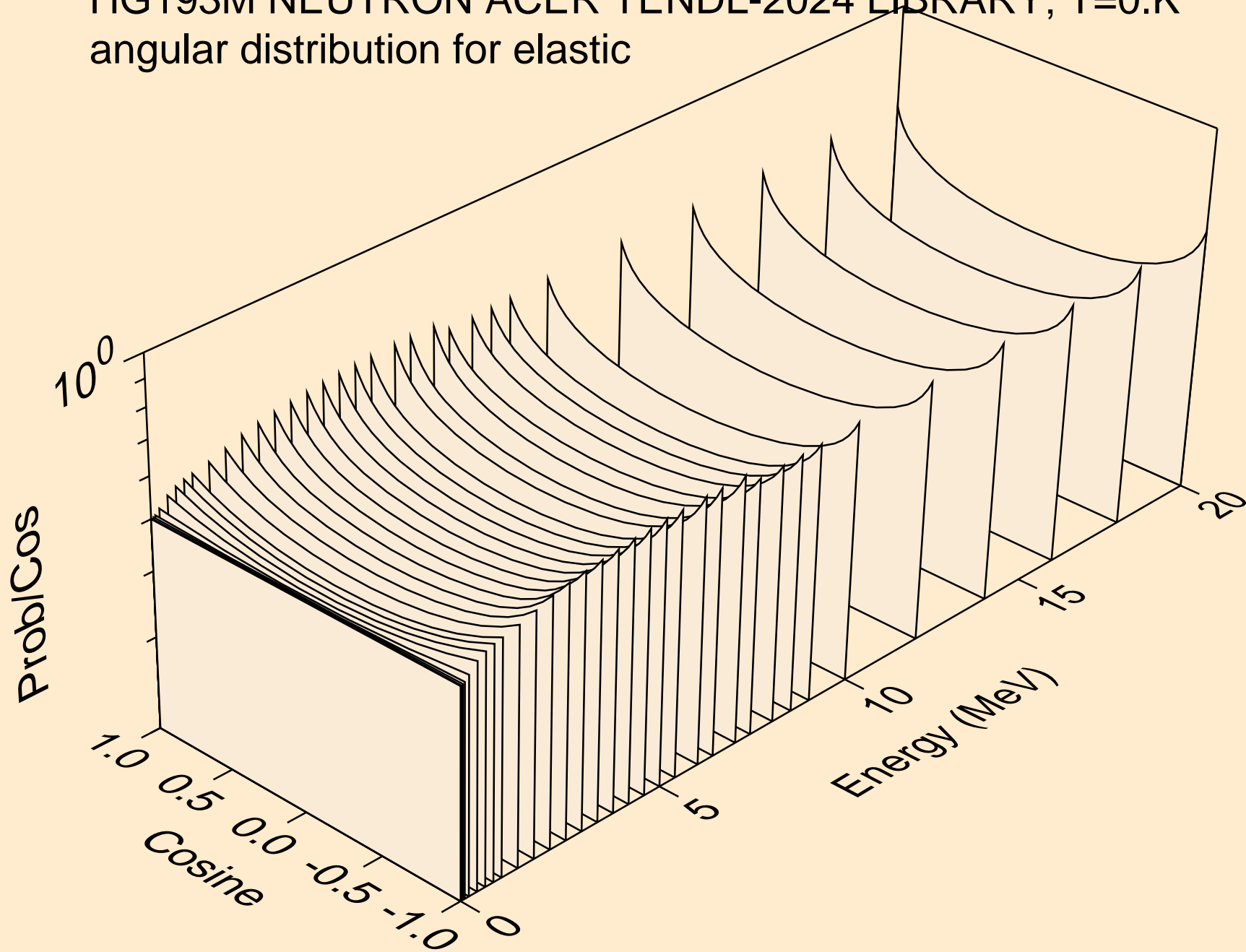


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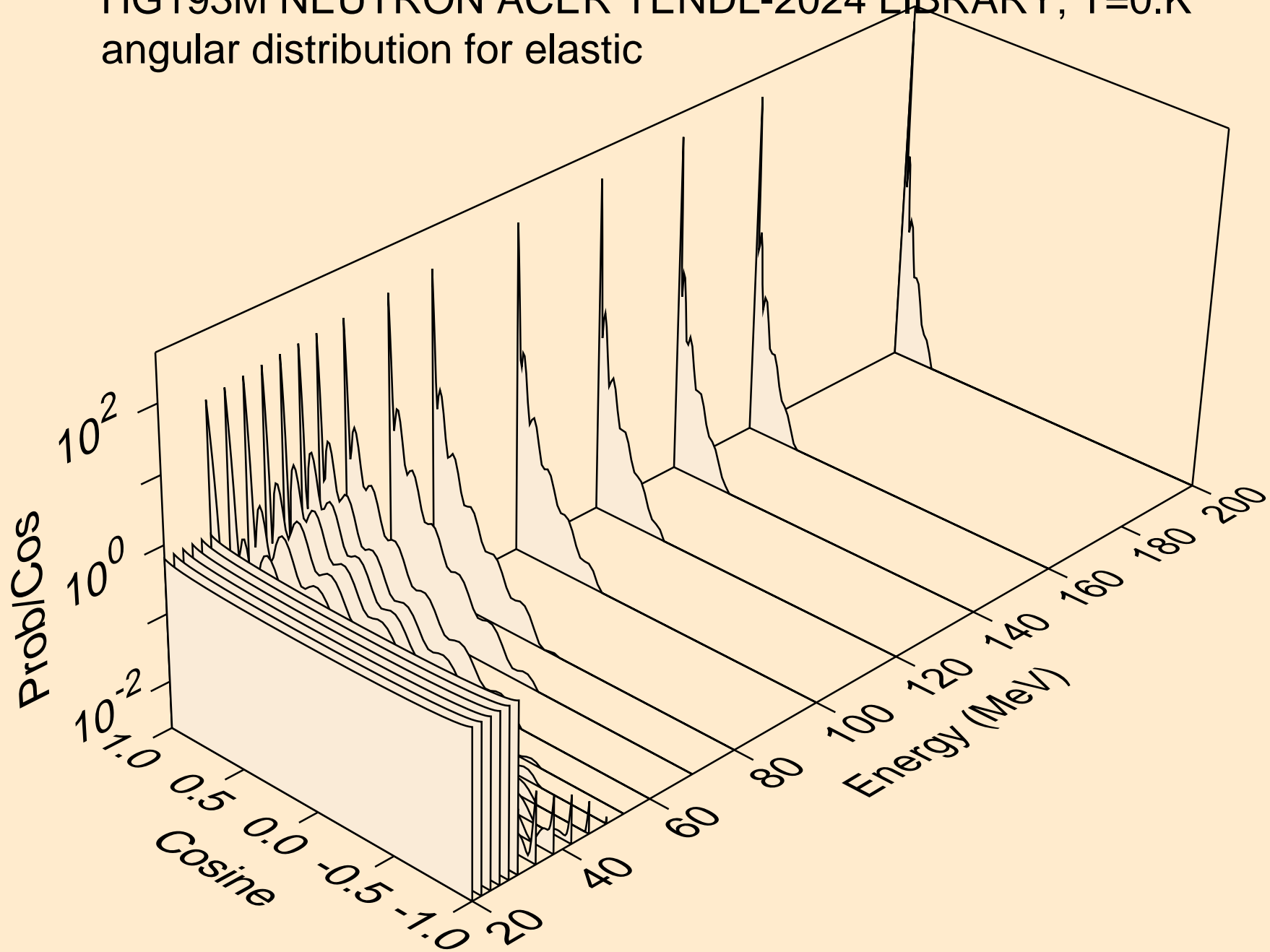
## Threshold reactions



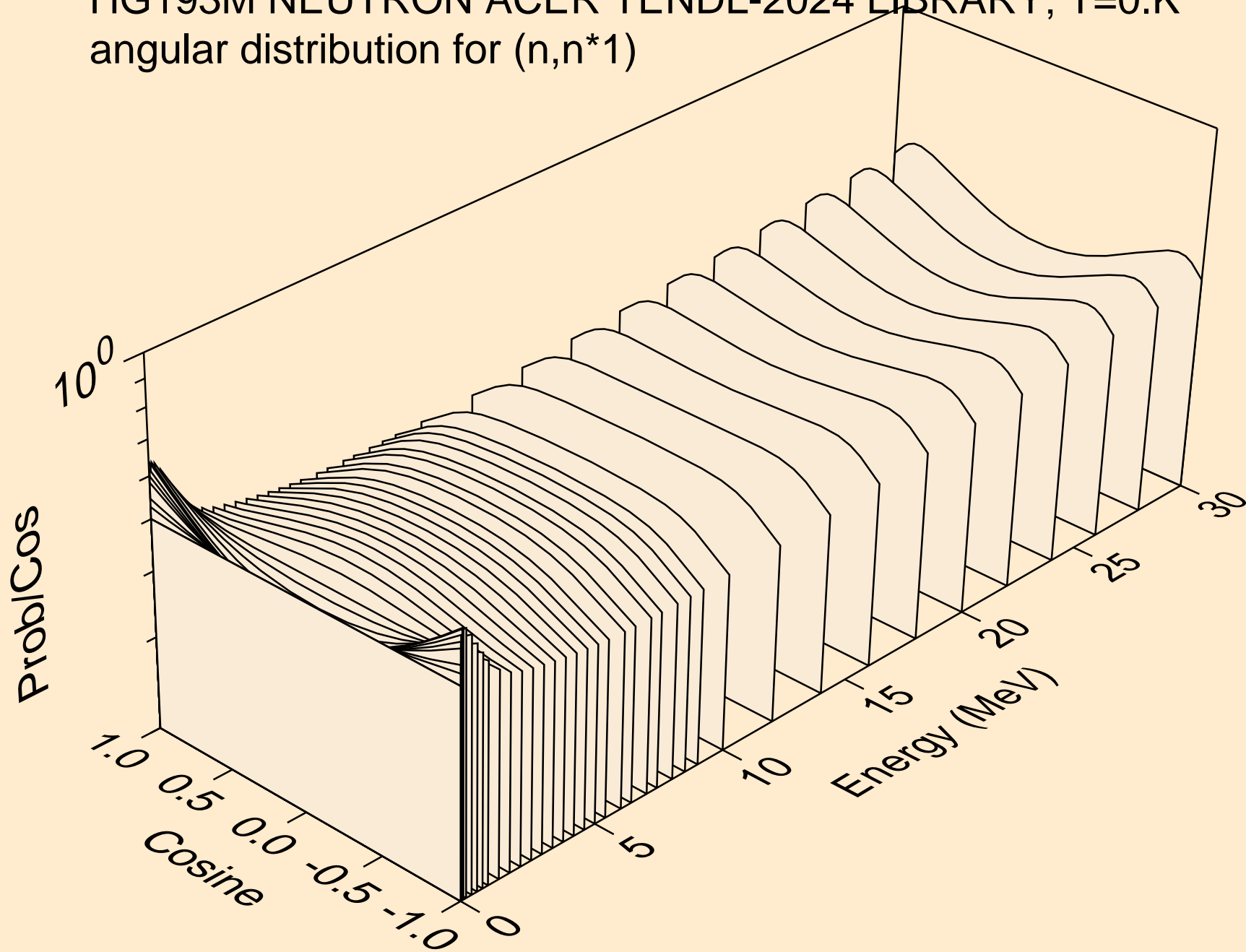
HG193M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for elastic



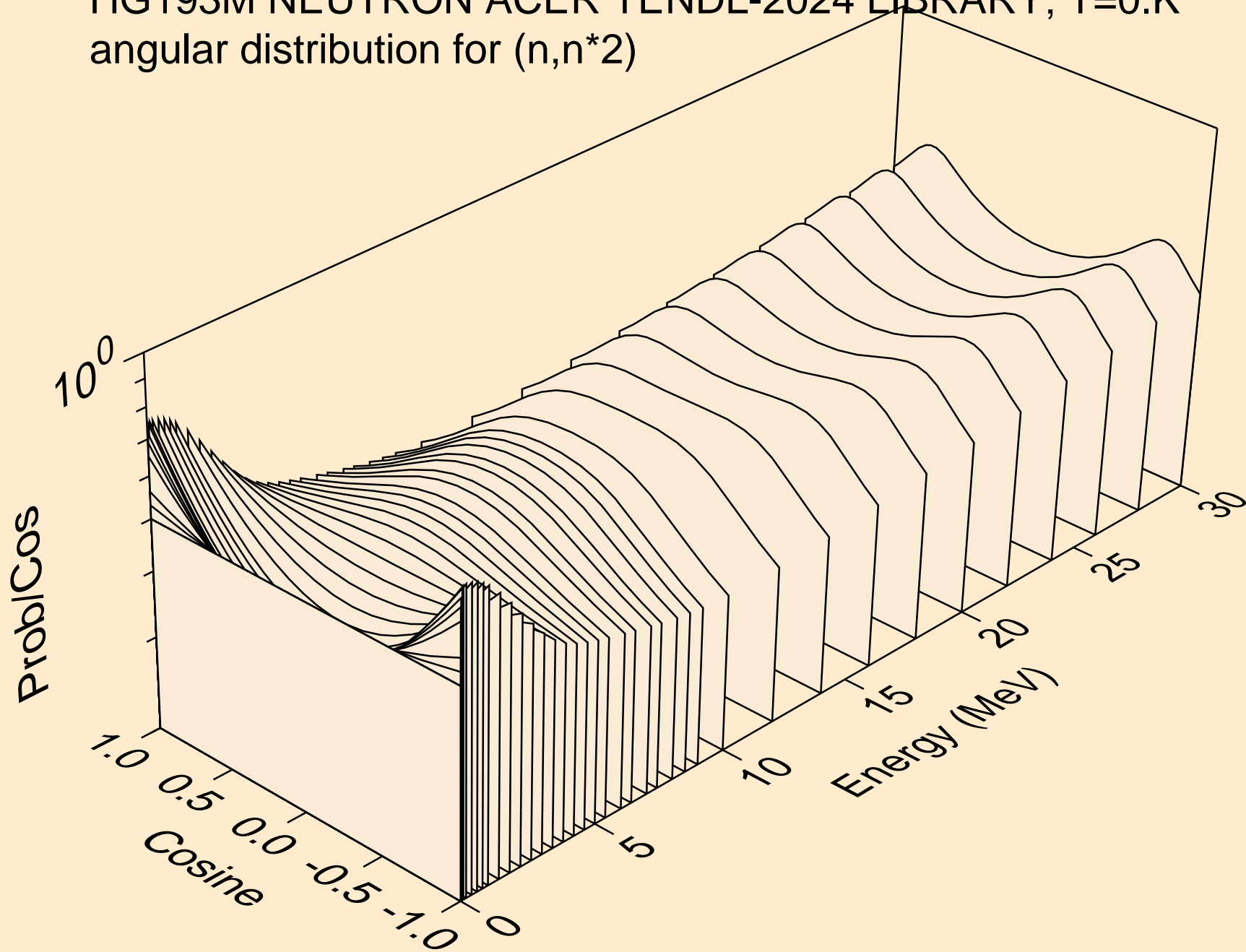
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angular distribution for elastic



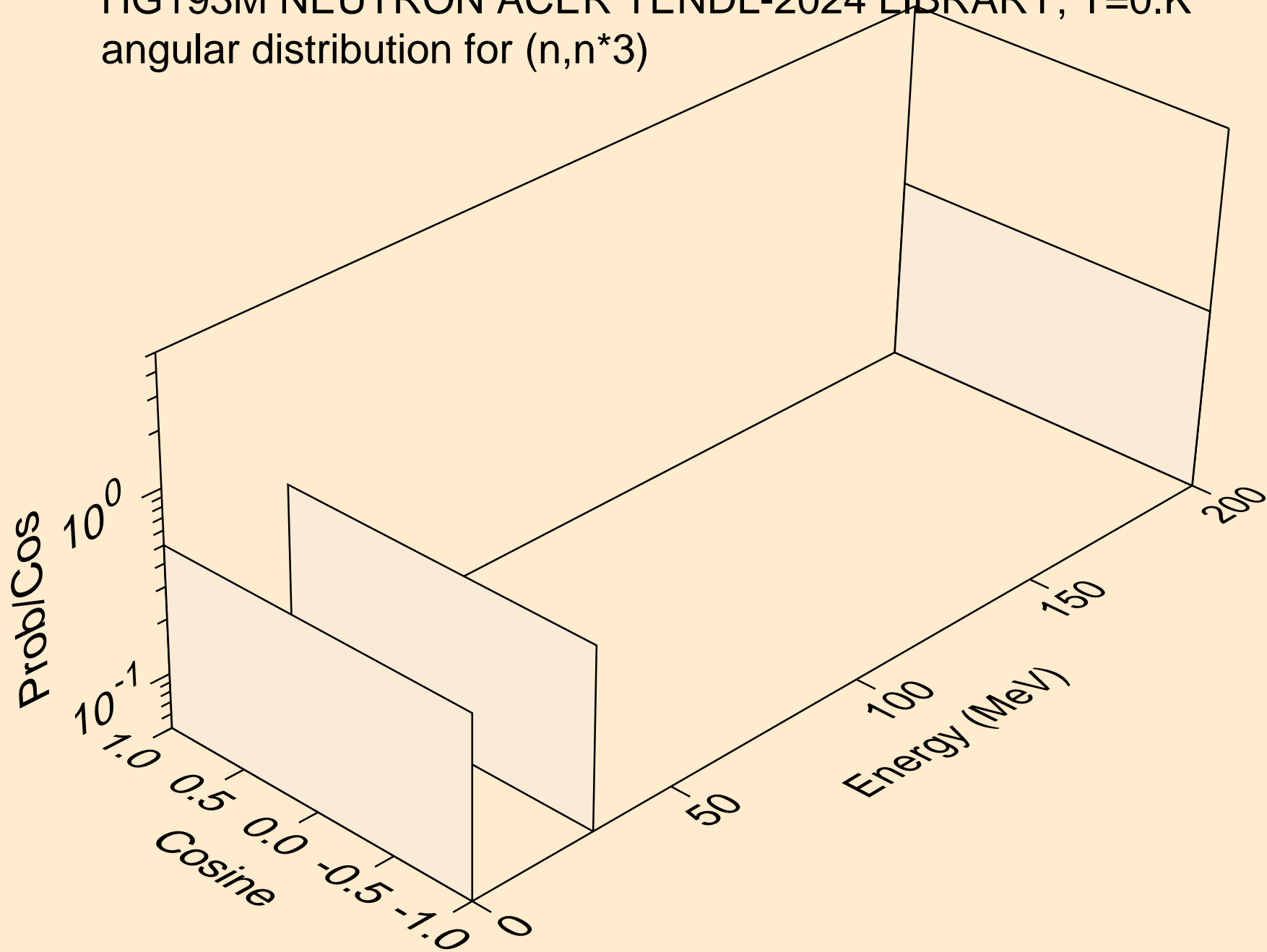
HG193M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*1)



HG193M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*2)

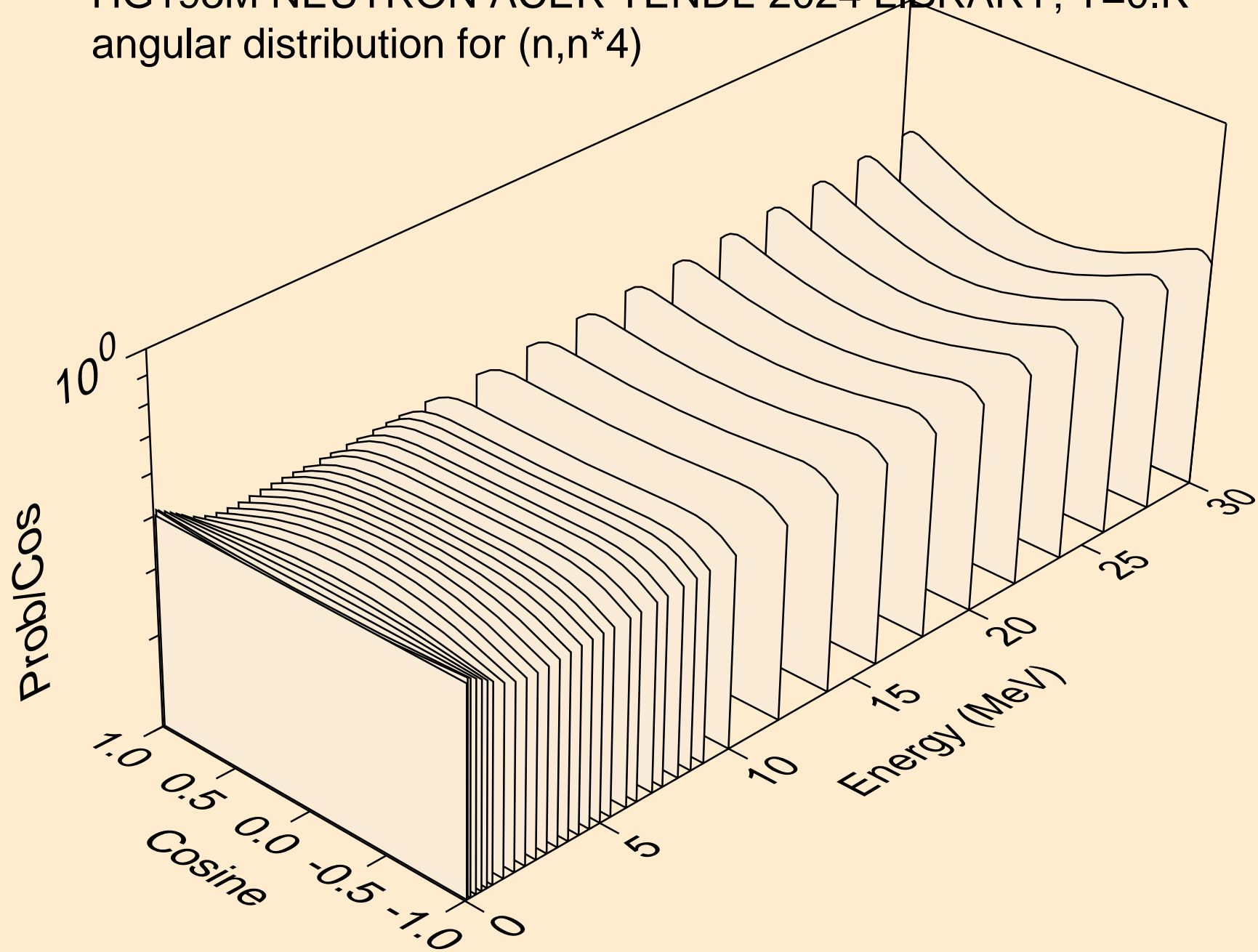


HG193M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*3)

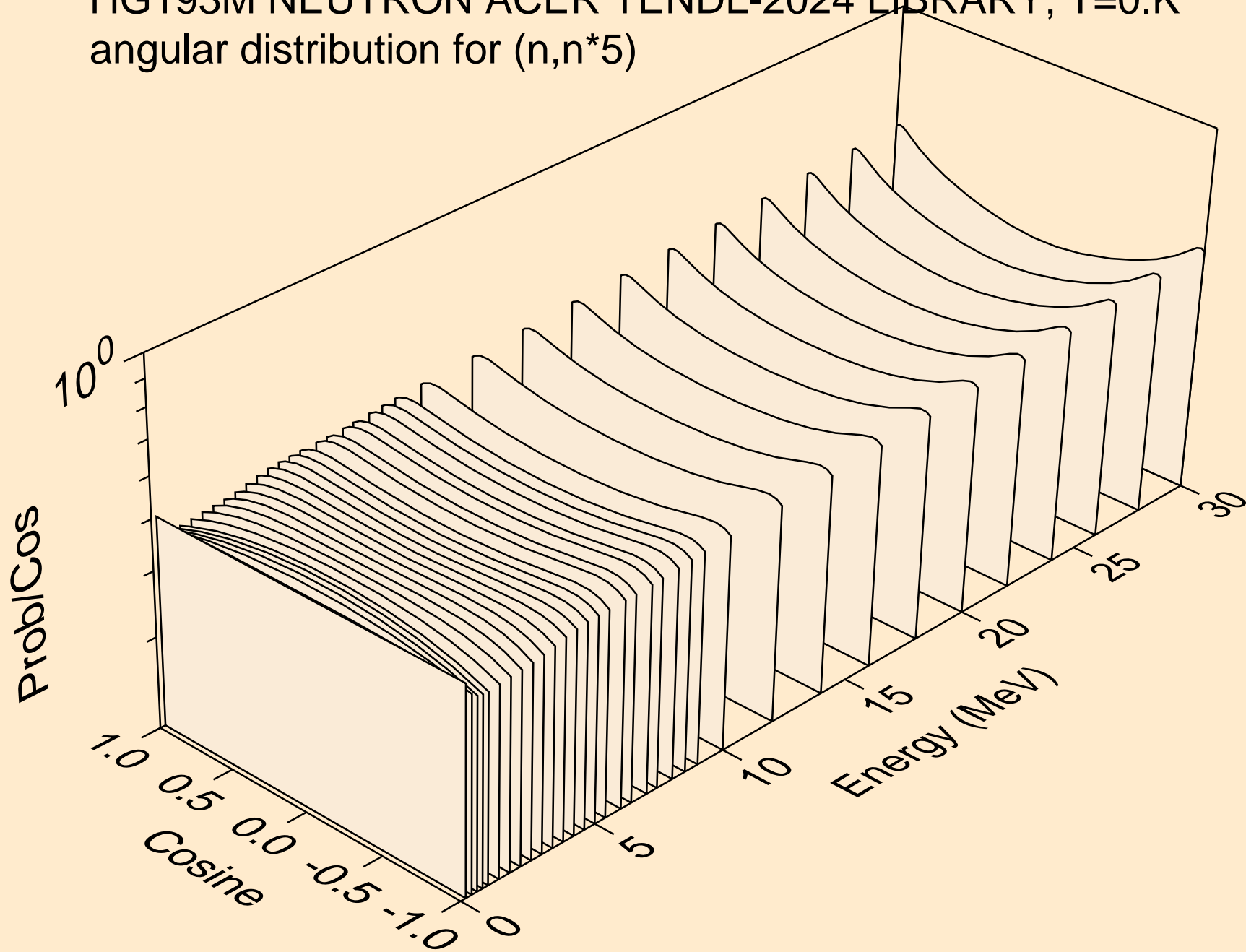




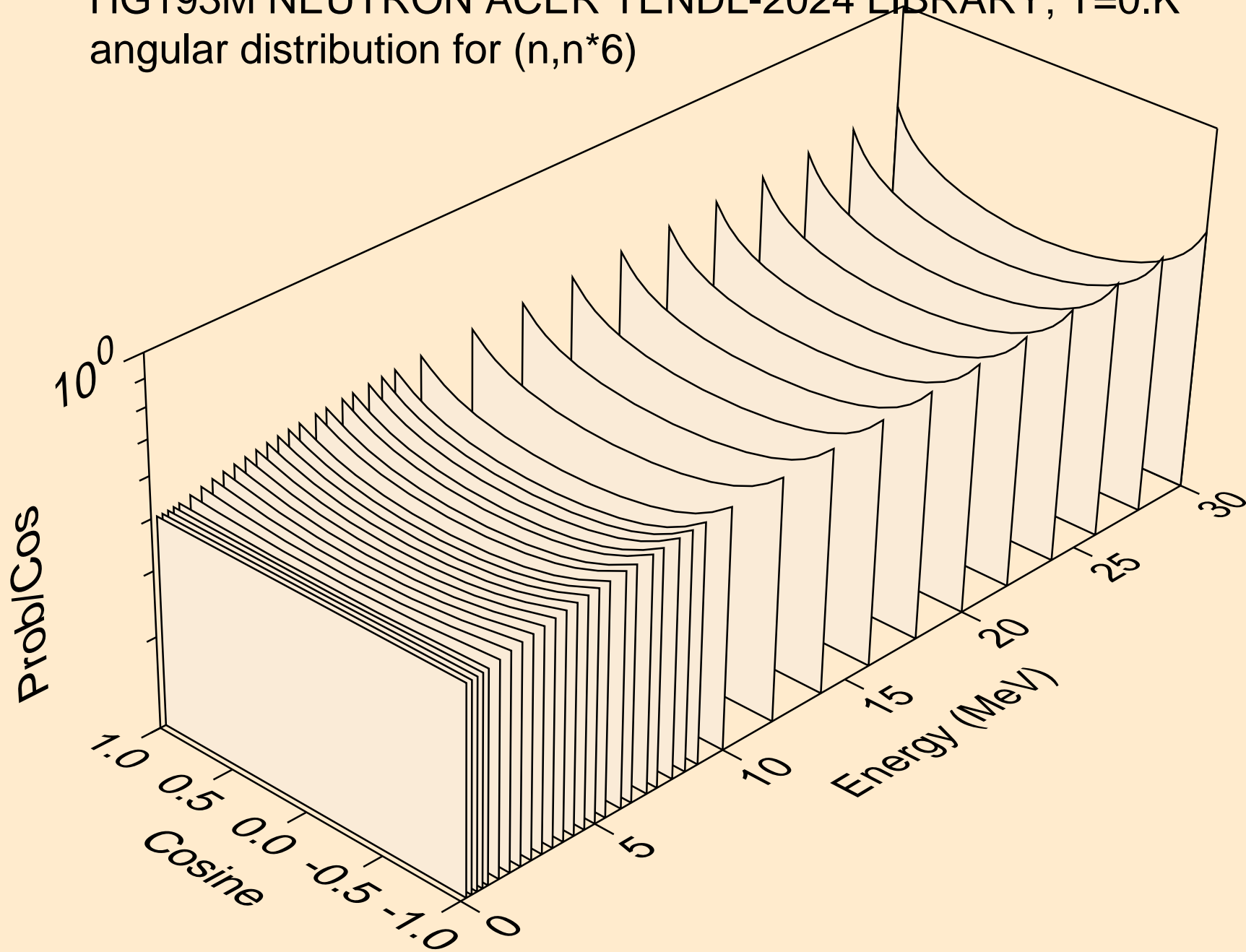
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angular distribution for (n,n\*4)



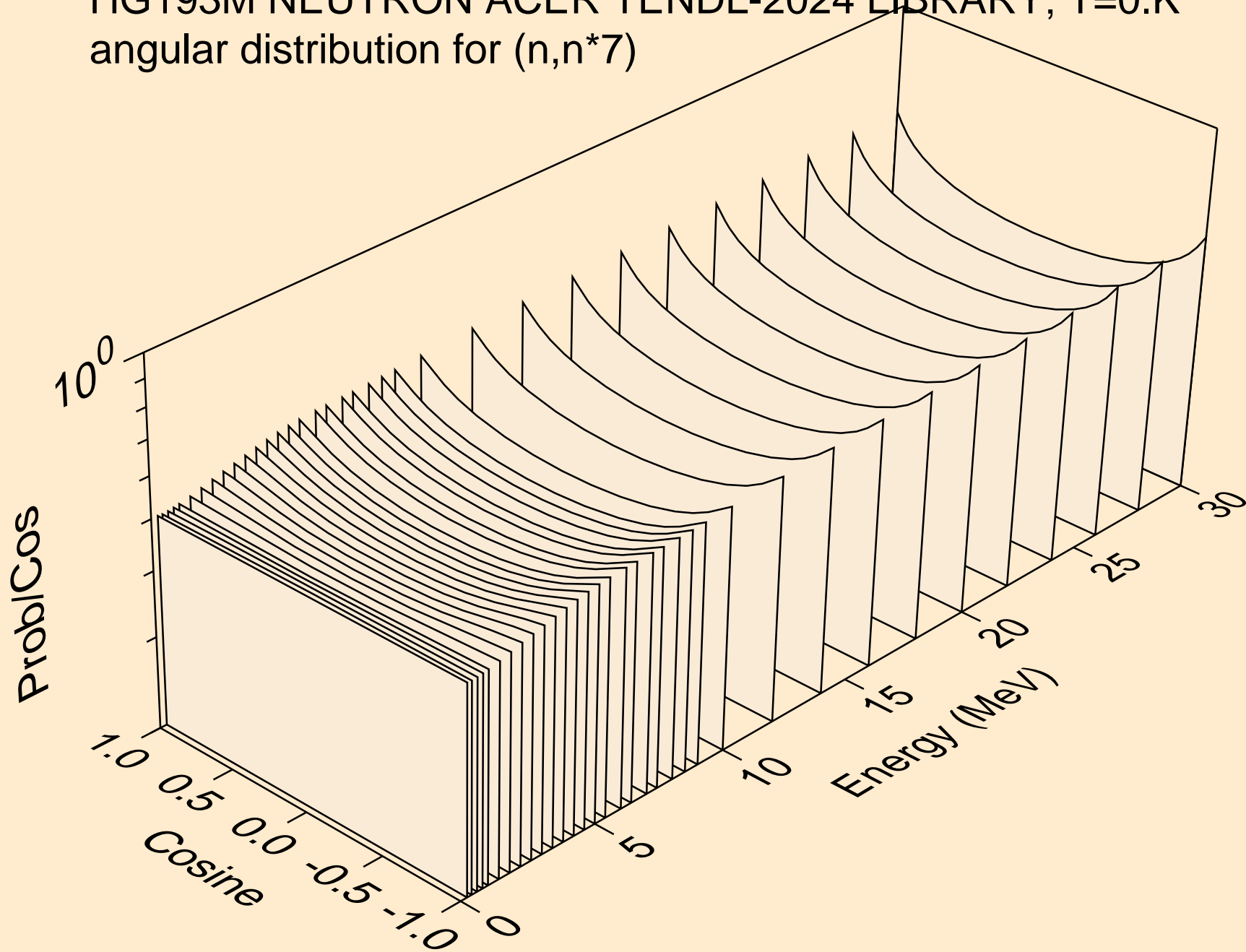
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angular distribution for (n,n\*5)



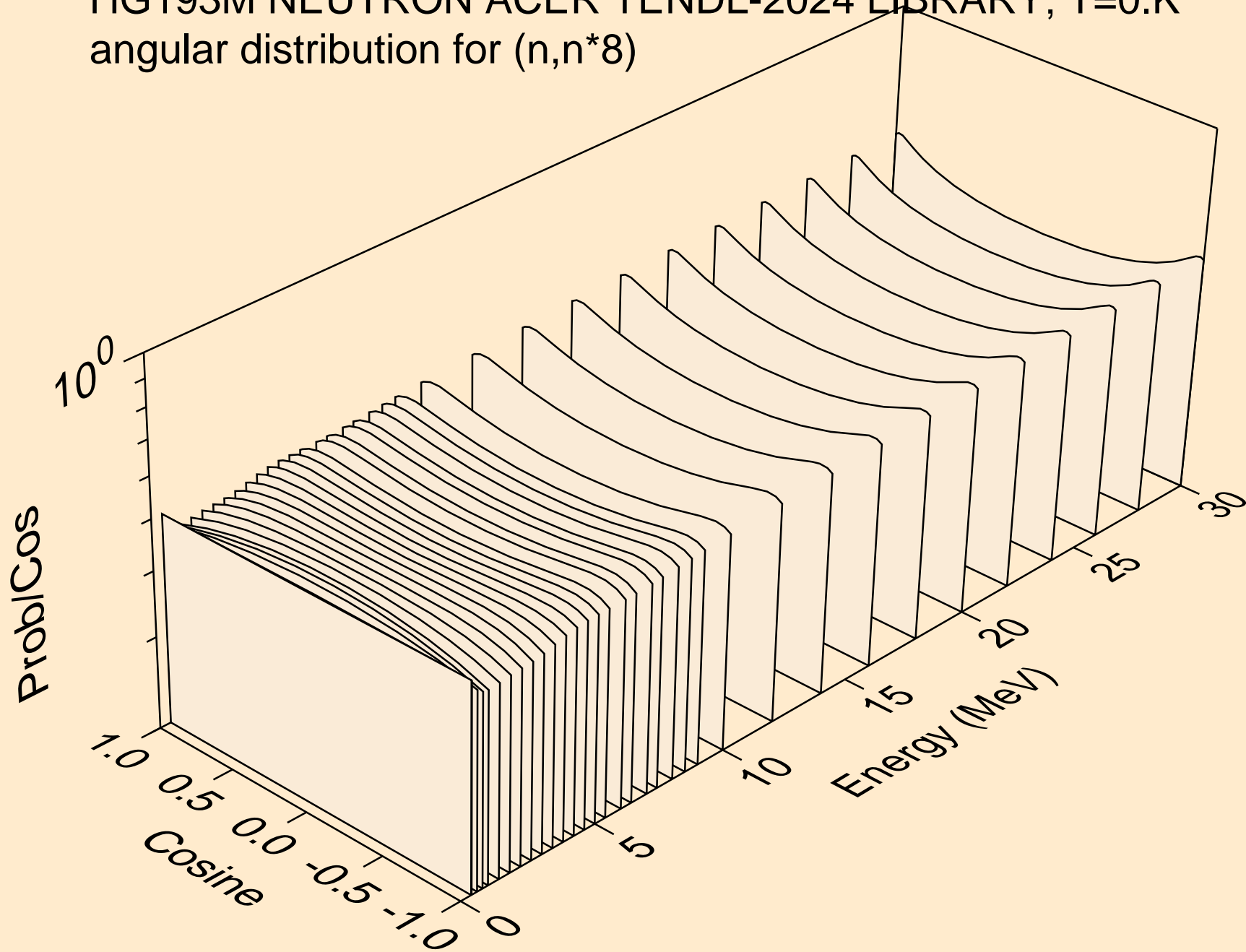
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angular distribution for (n,n\*6)



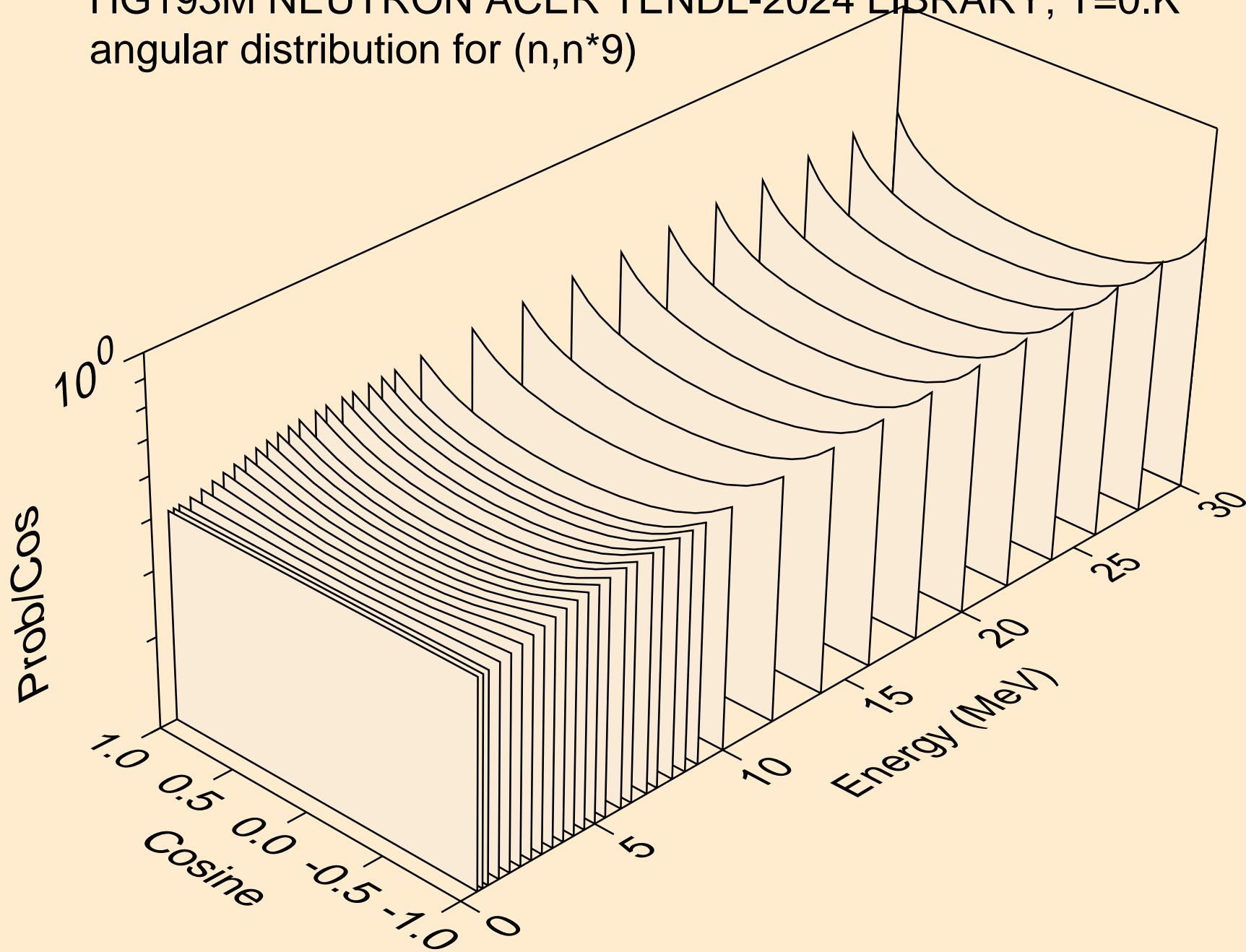
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angular distribution for (n,n\*7)



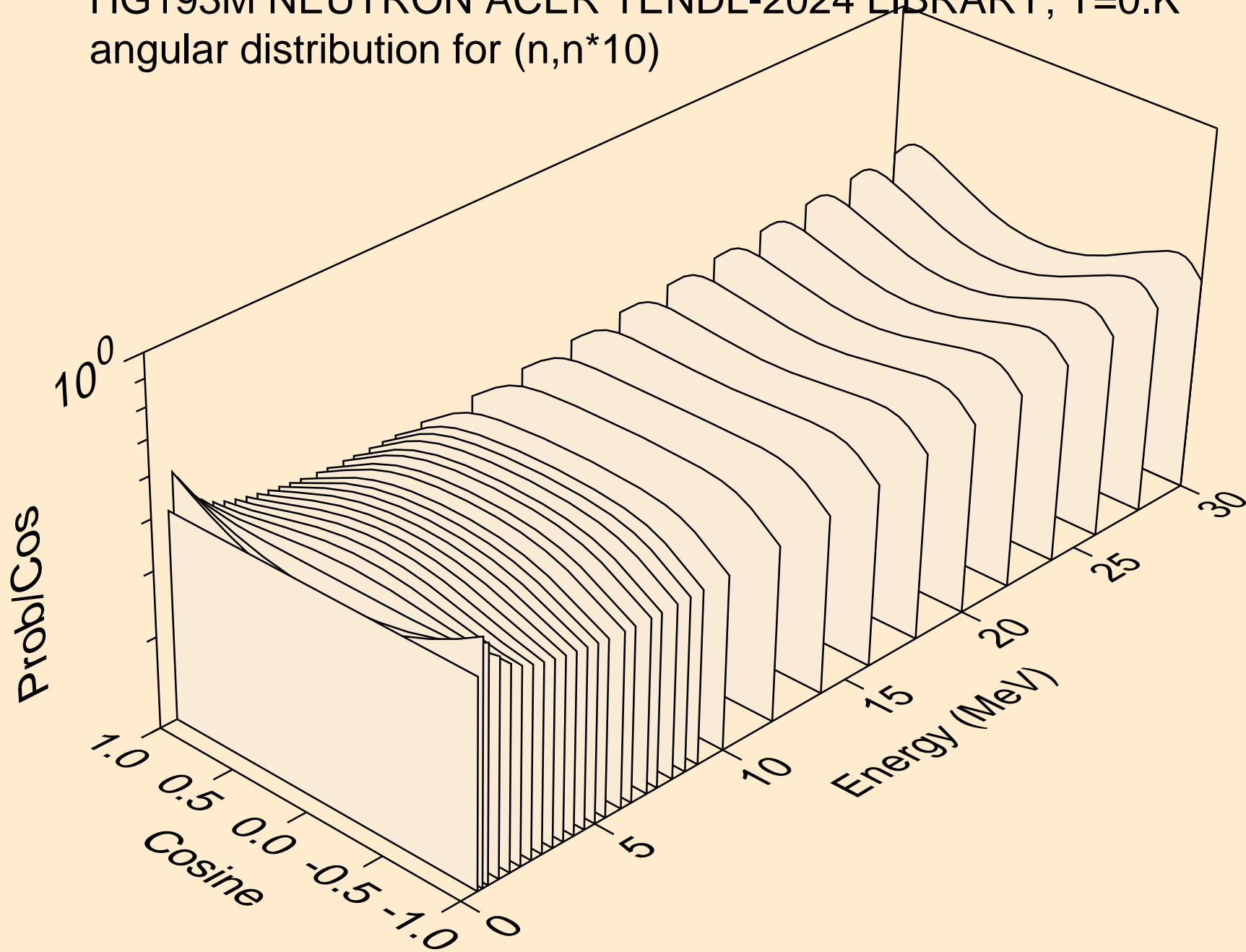
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angular distribution for (n,n\*8)



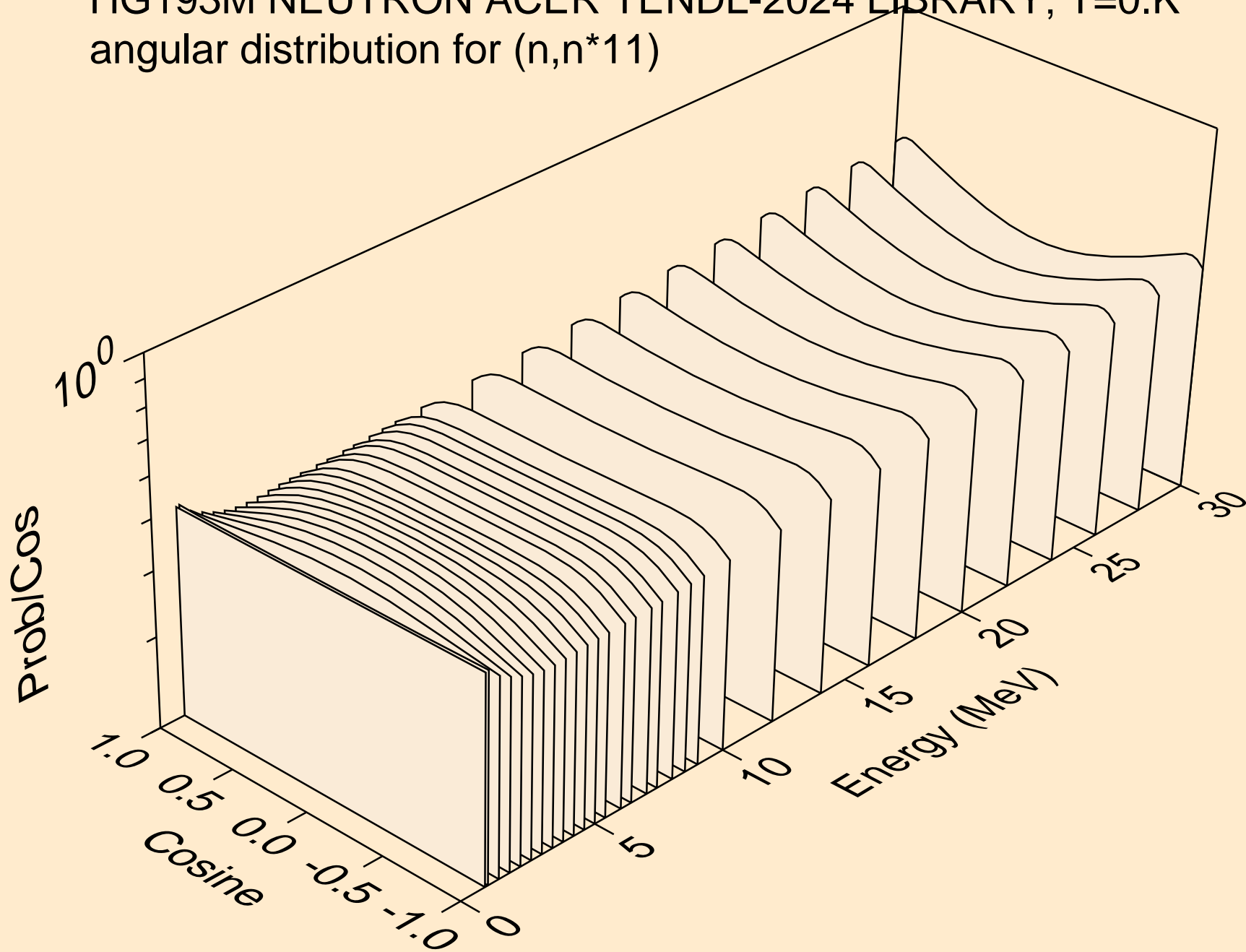
HG193M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*9)



HG193M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*10)

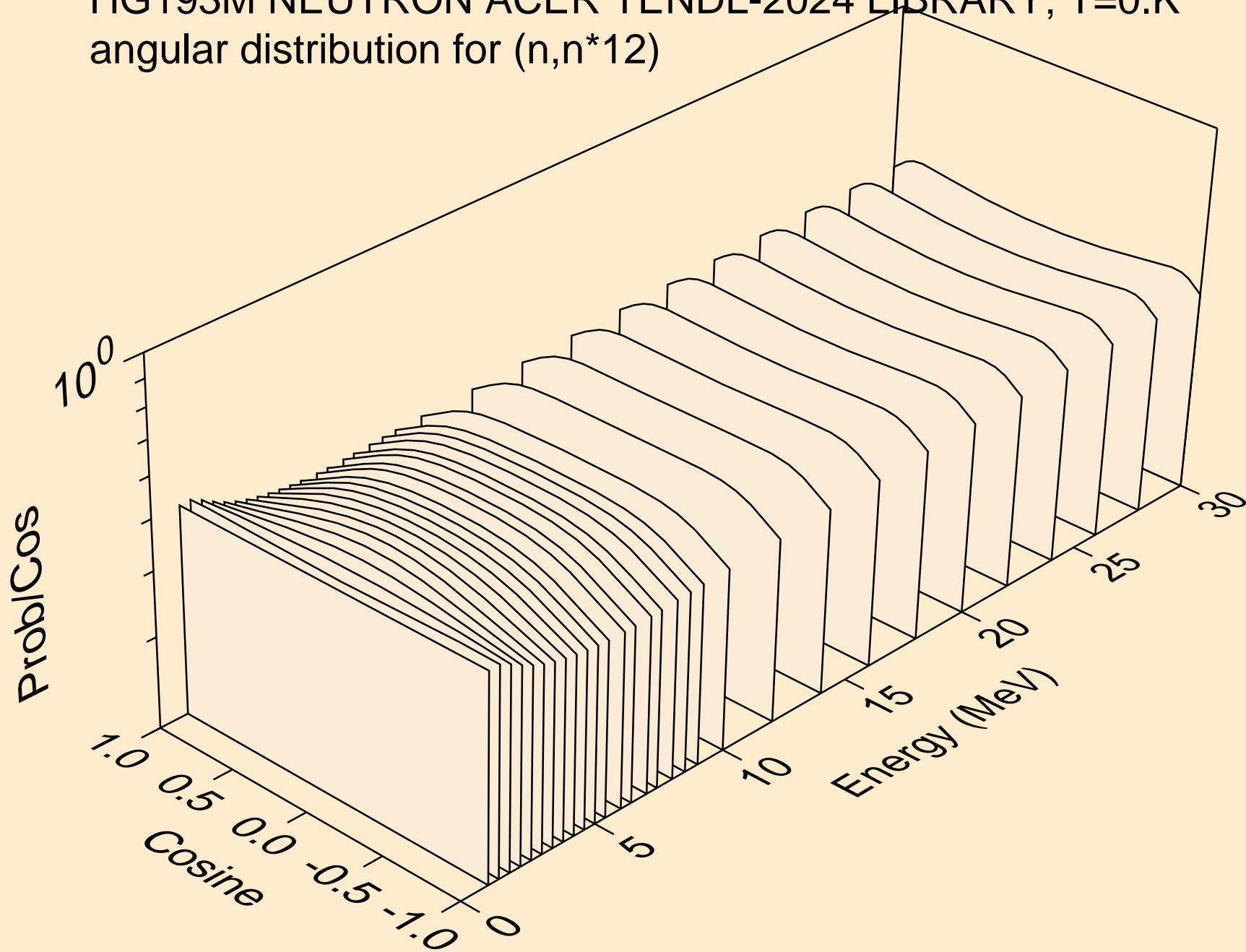


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angular distribution for (n,n\*11)

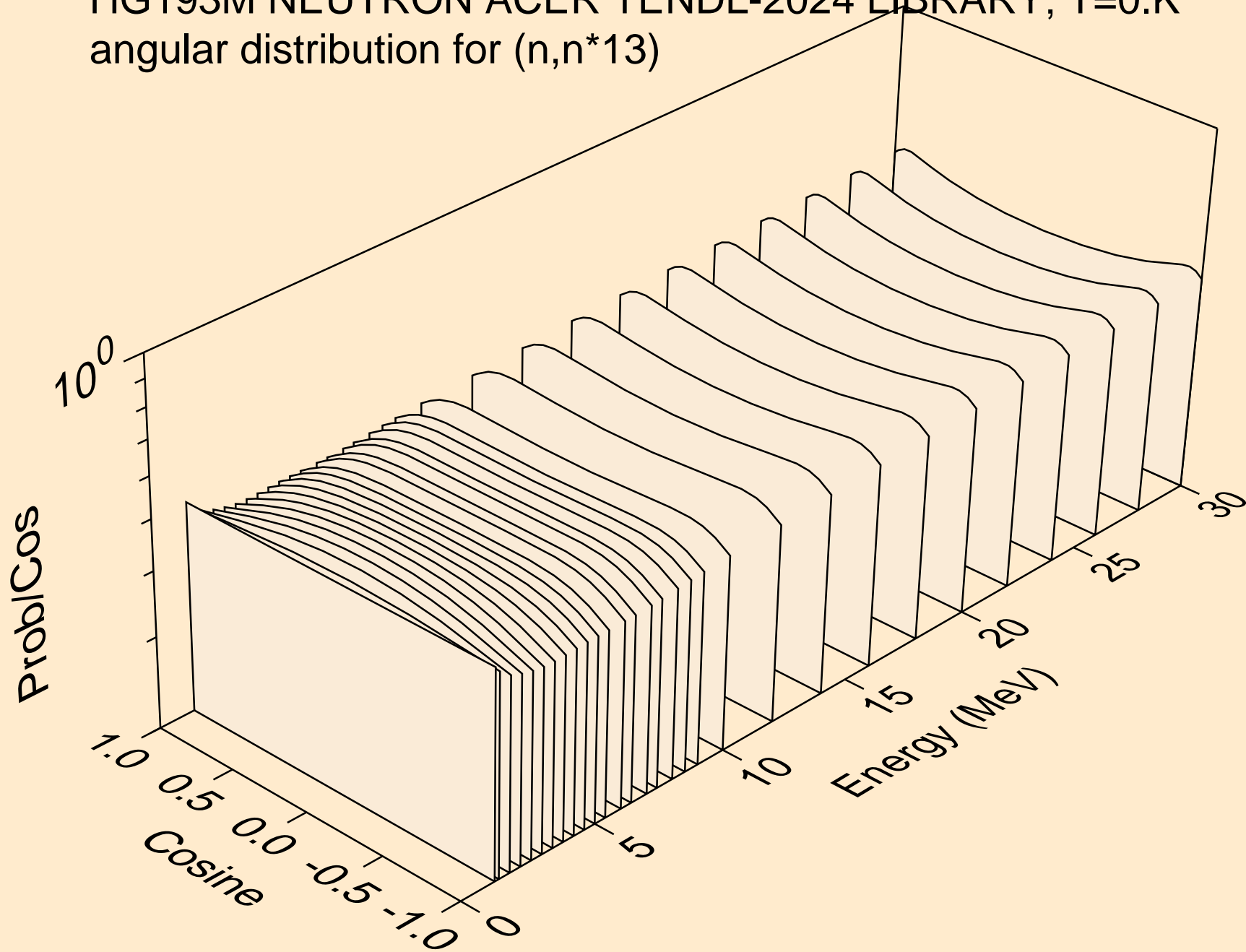




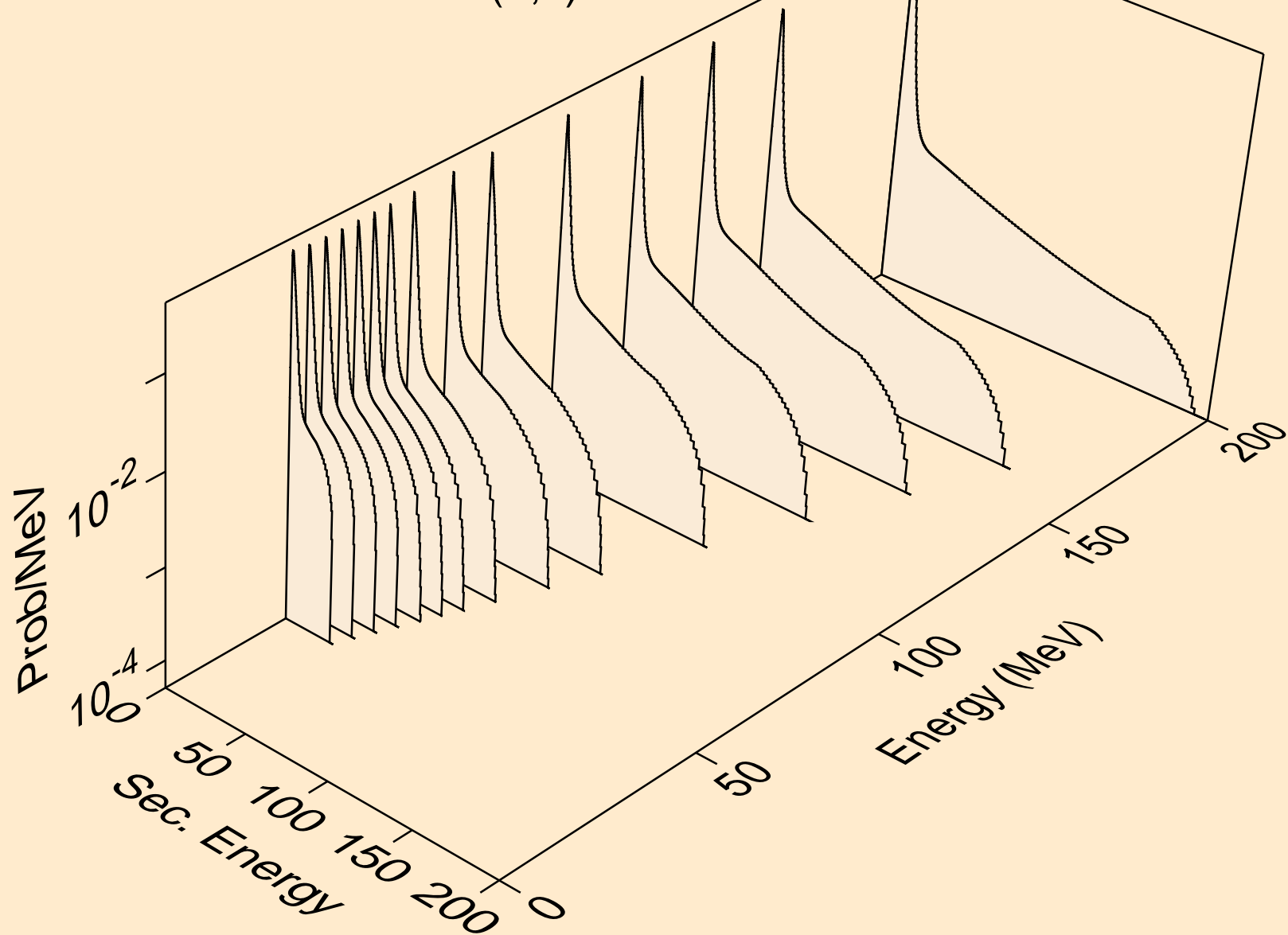
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angular distribution for (n,n\*12)



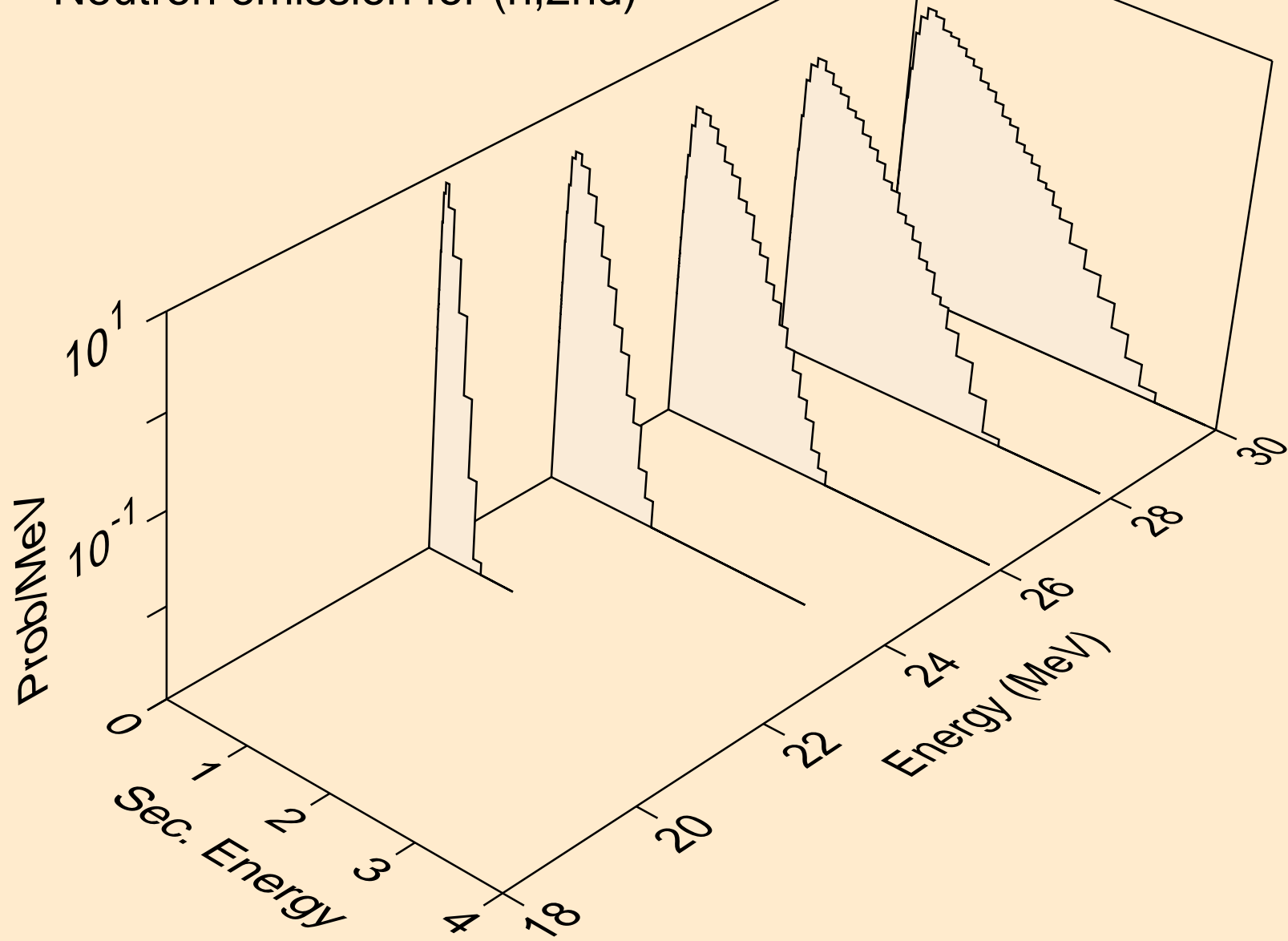
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angular distribution for (n,n\*13)



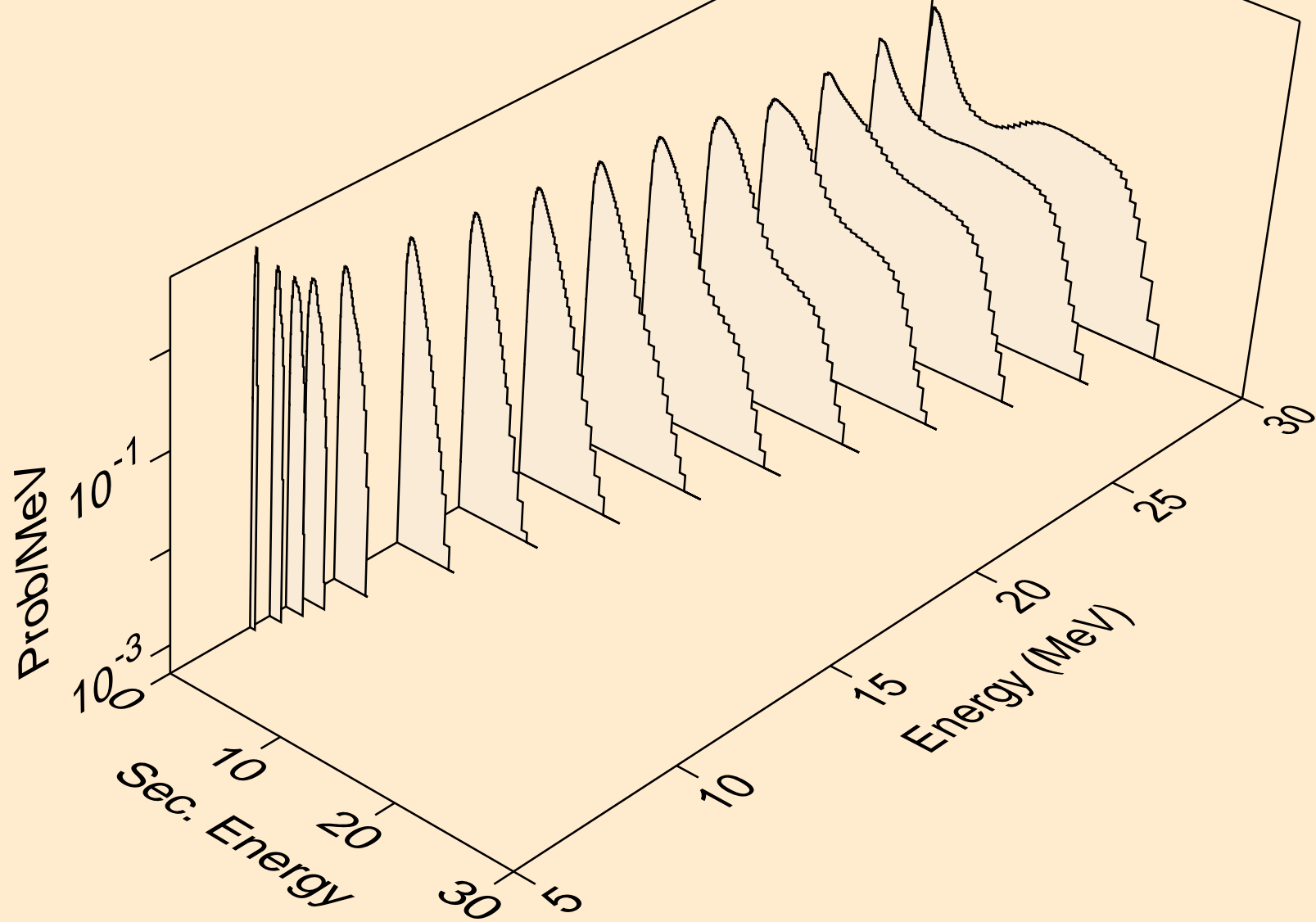
HG193M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,x)



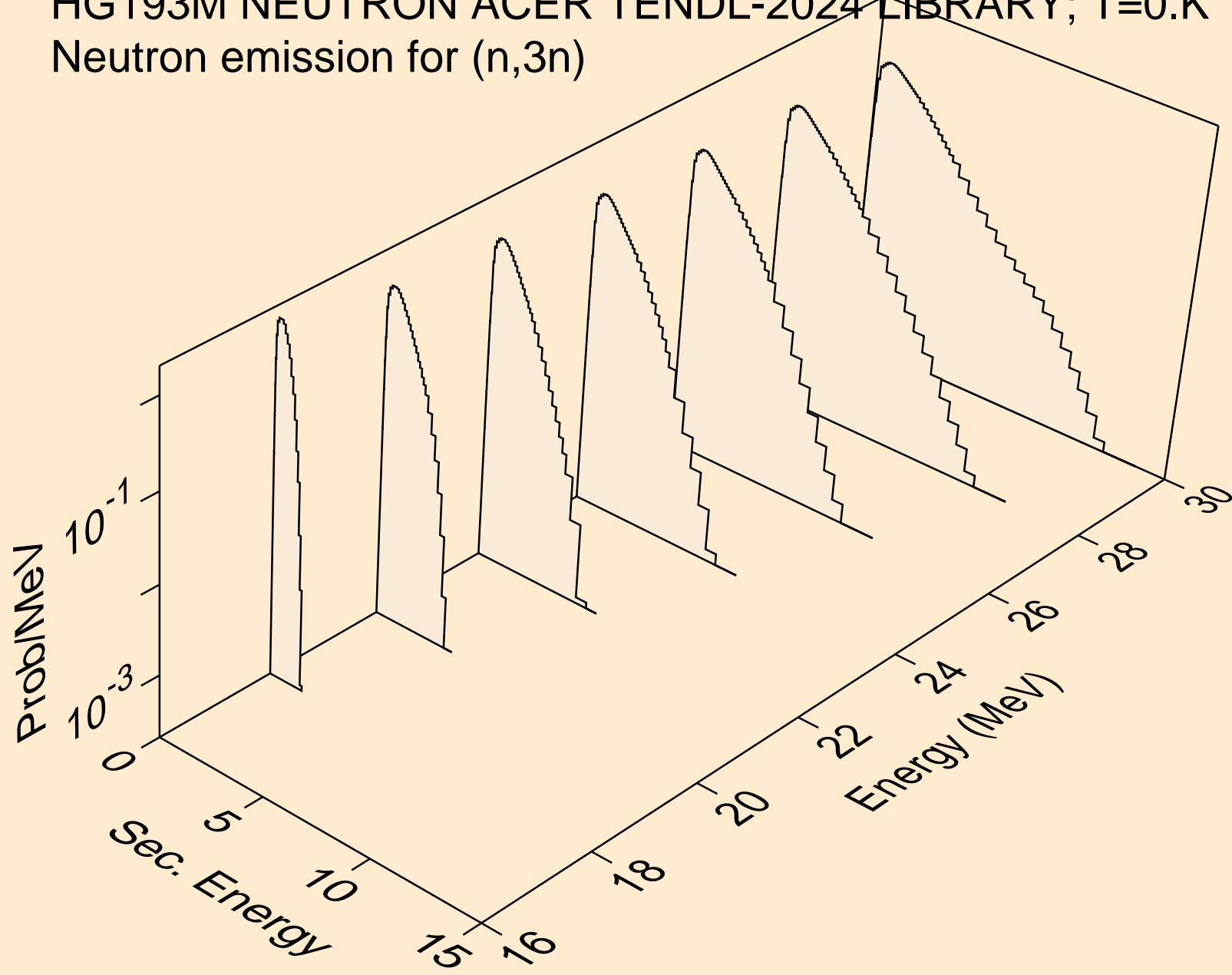
HG193M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,2nd)



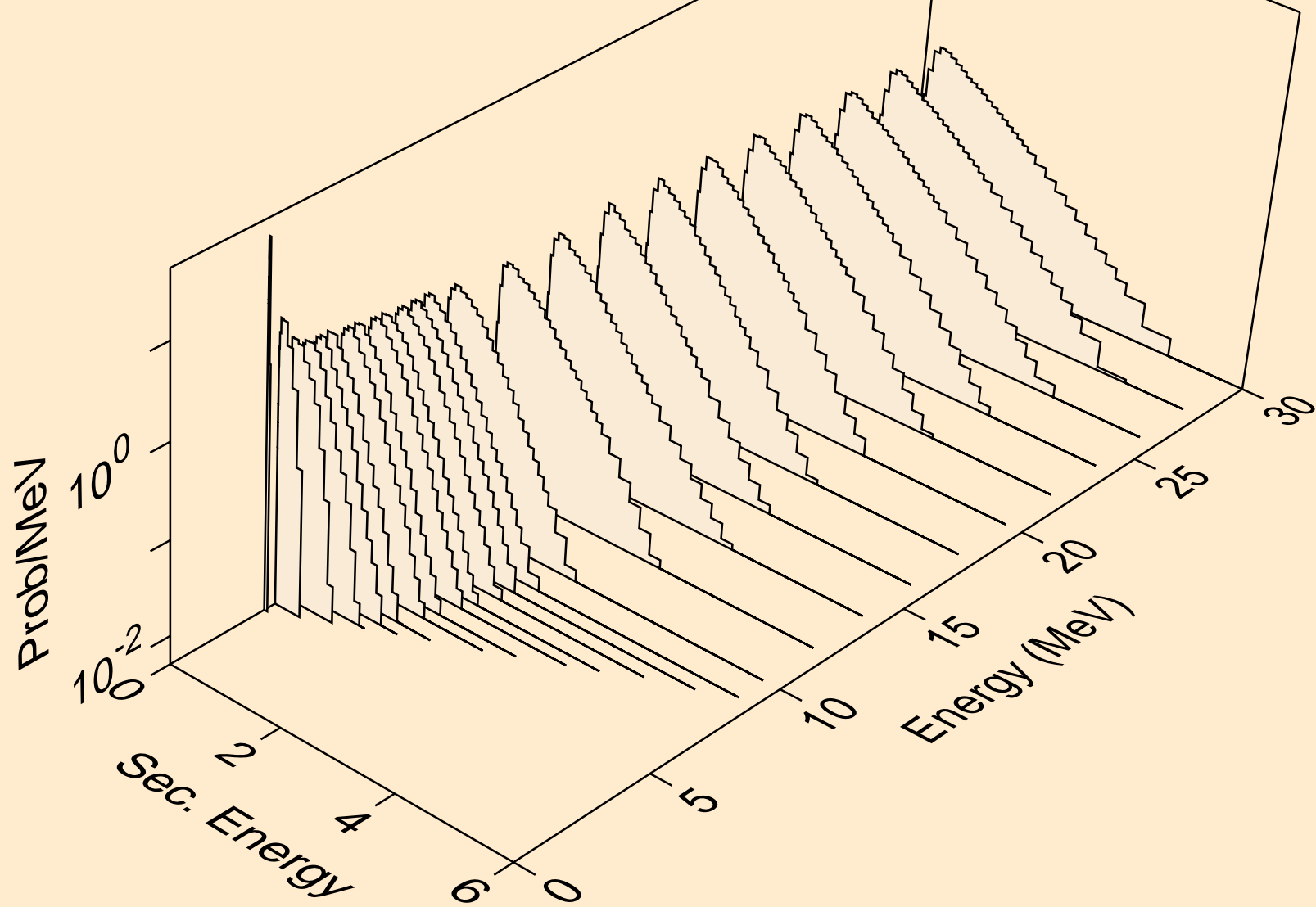
HG193M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,2n)



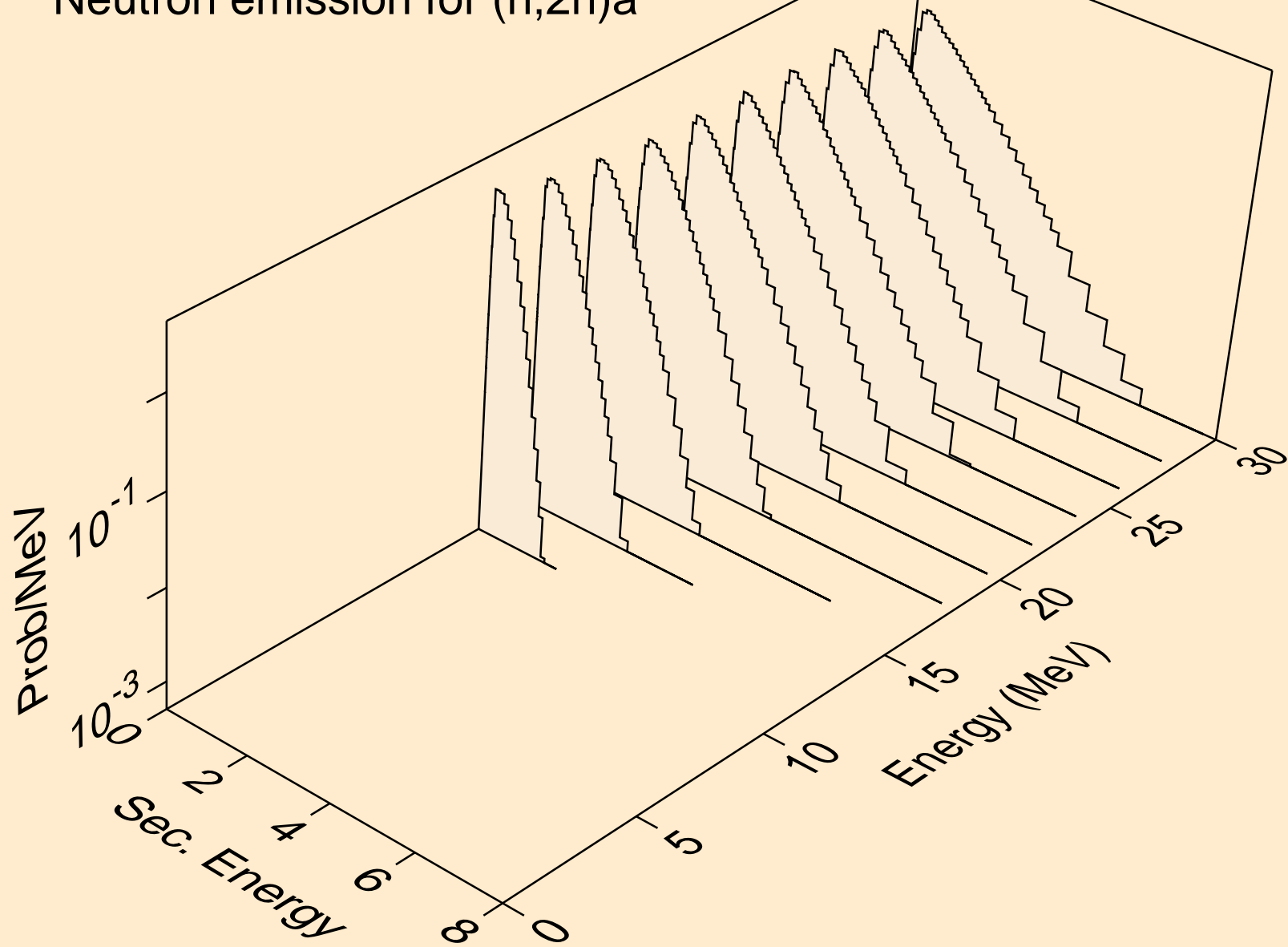
HG193M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,3n)



HG193M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,n\*)a

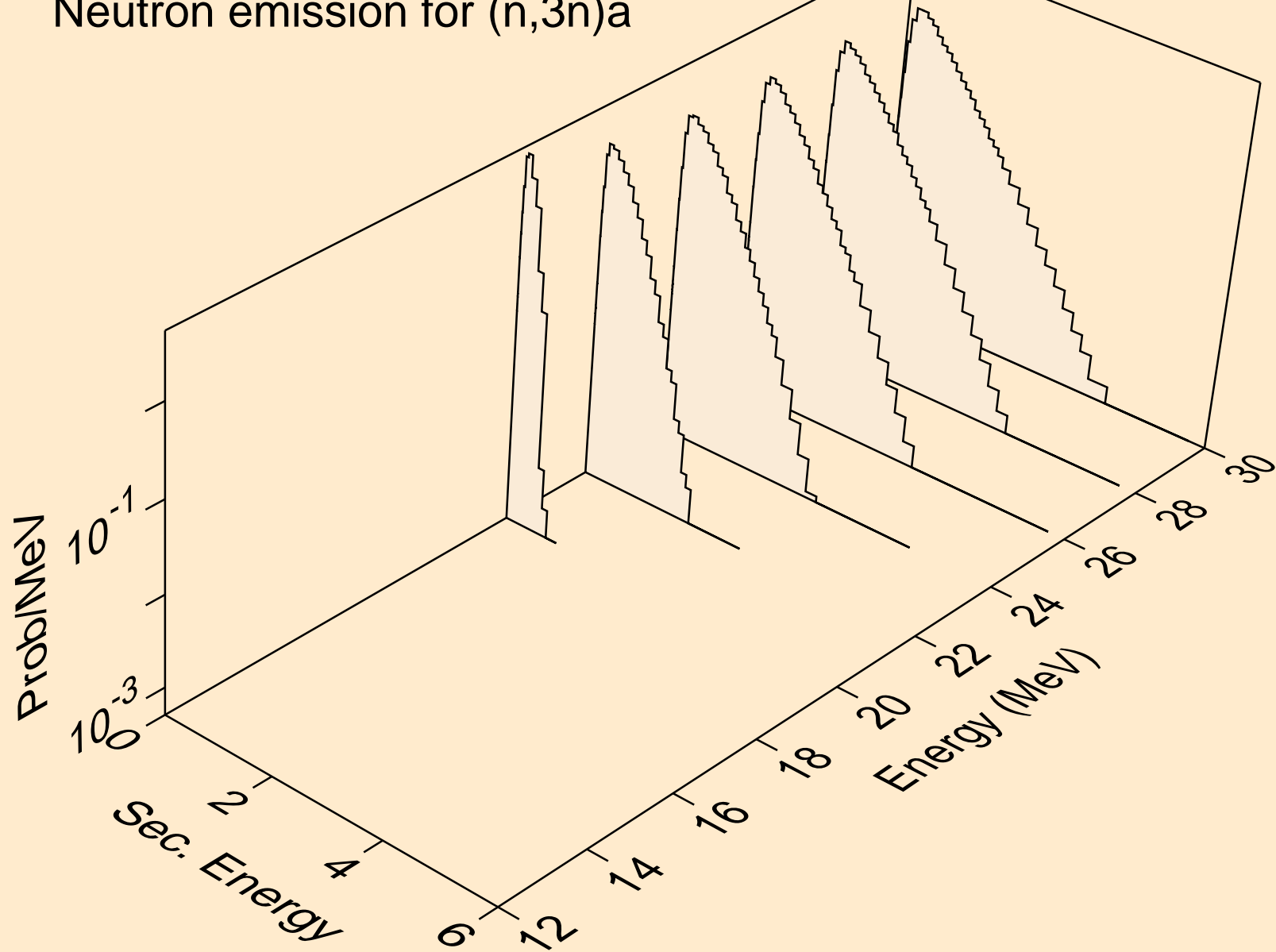


HG193M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,2n)a

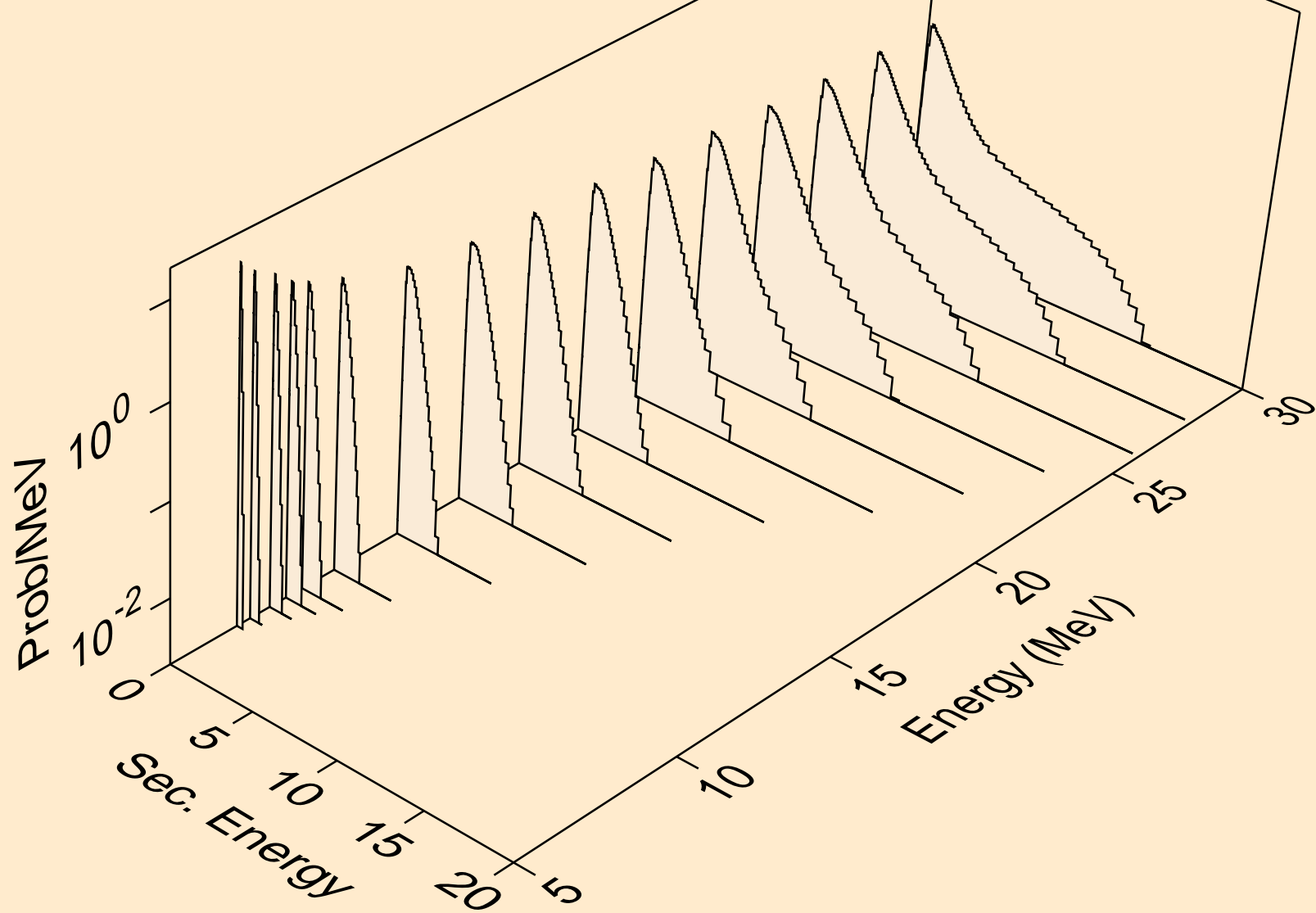




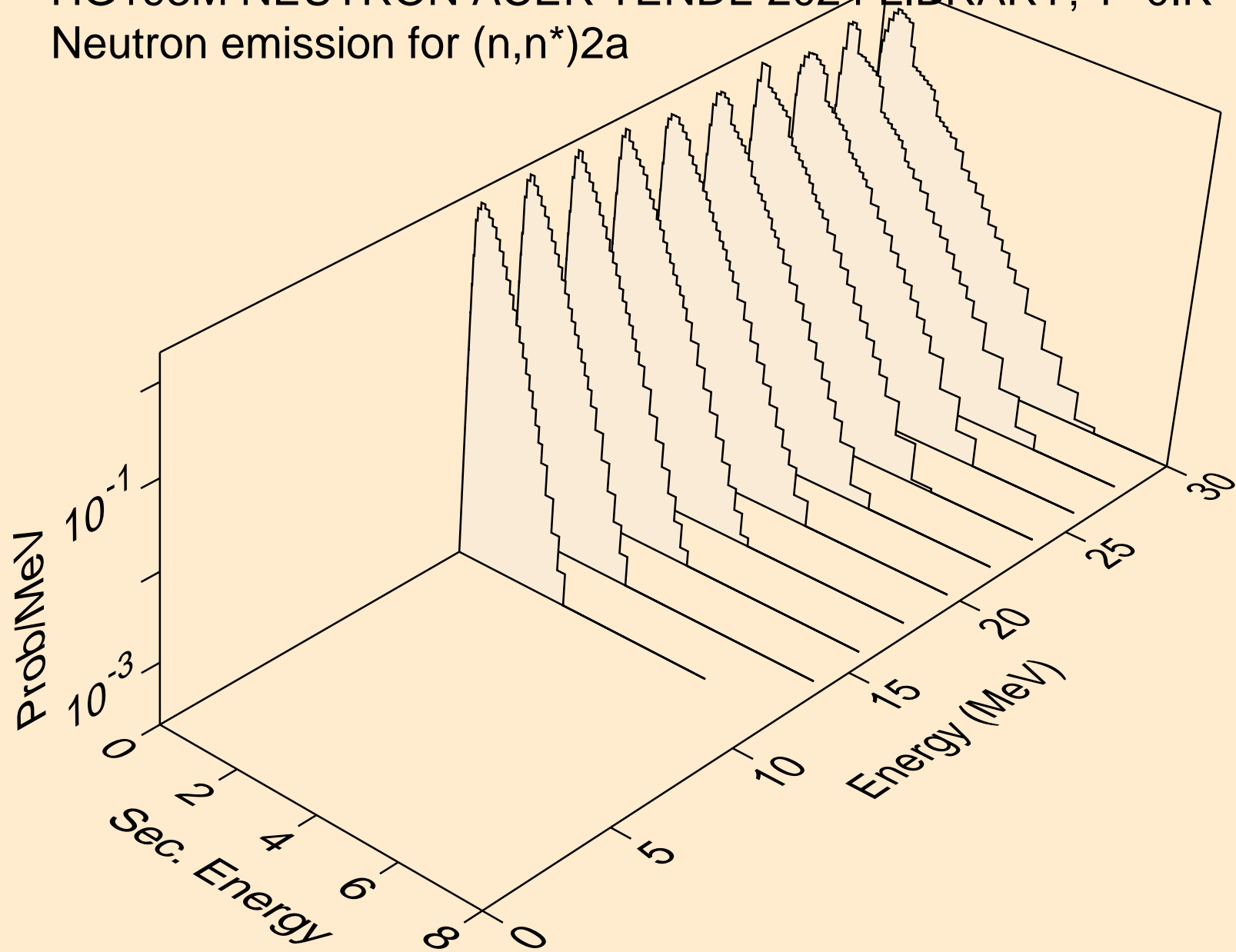
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Neutron emission for (n,3n)a



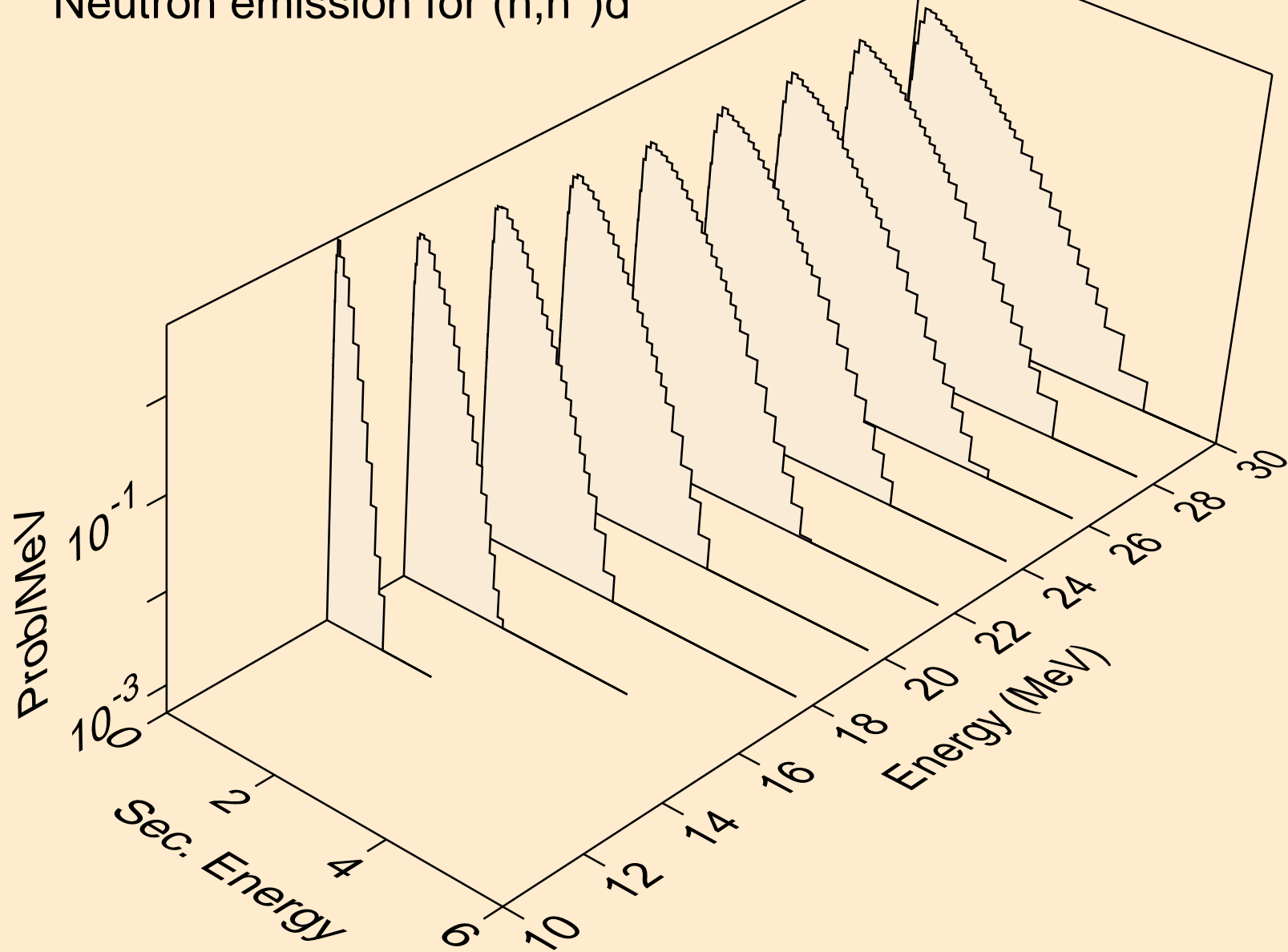
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Neutron emission for (n,n\*)p



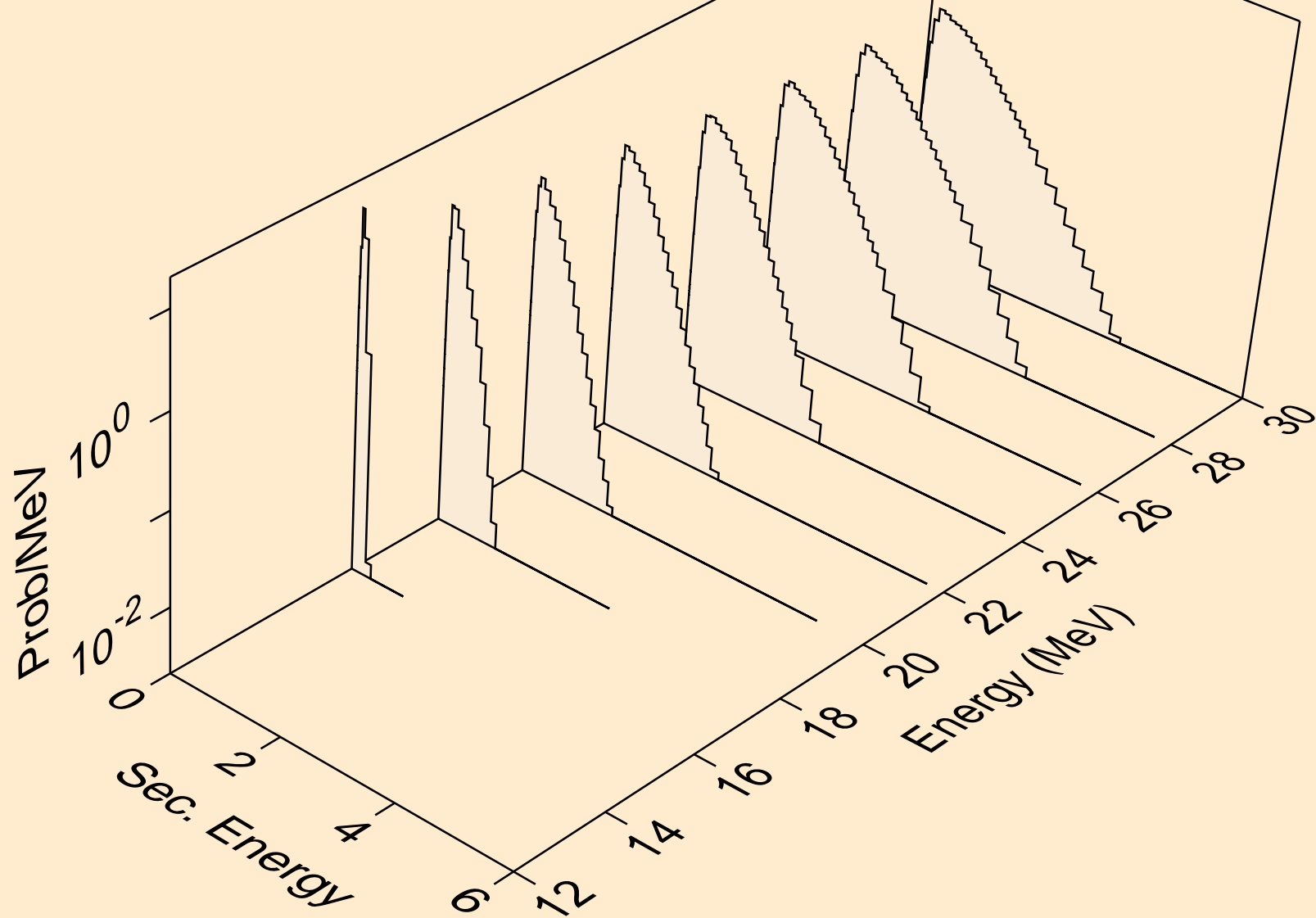
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Neutron emission for (n,n\*)2a



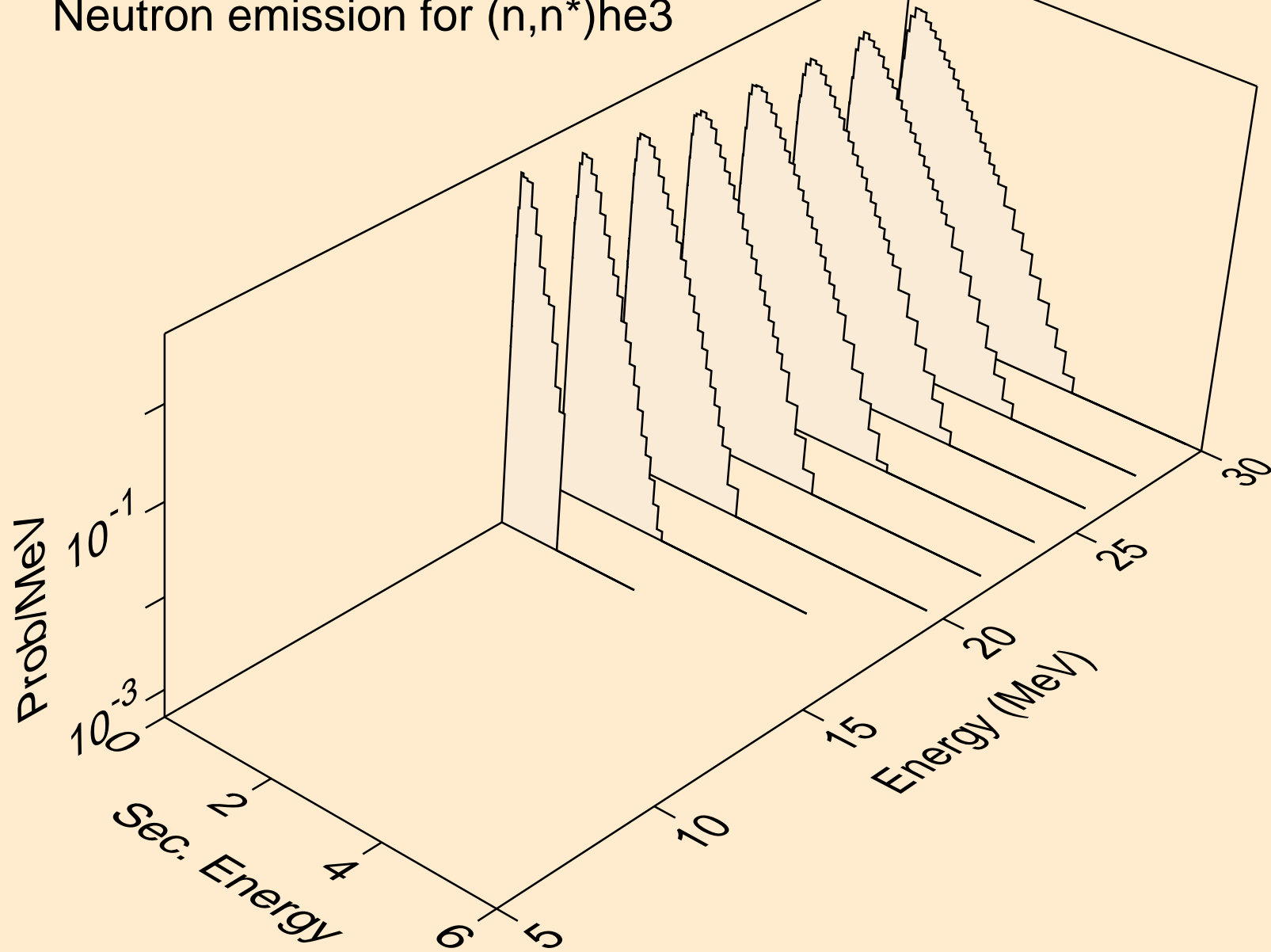
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Neutron emission for (n,n\*)d



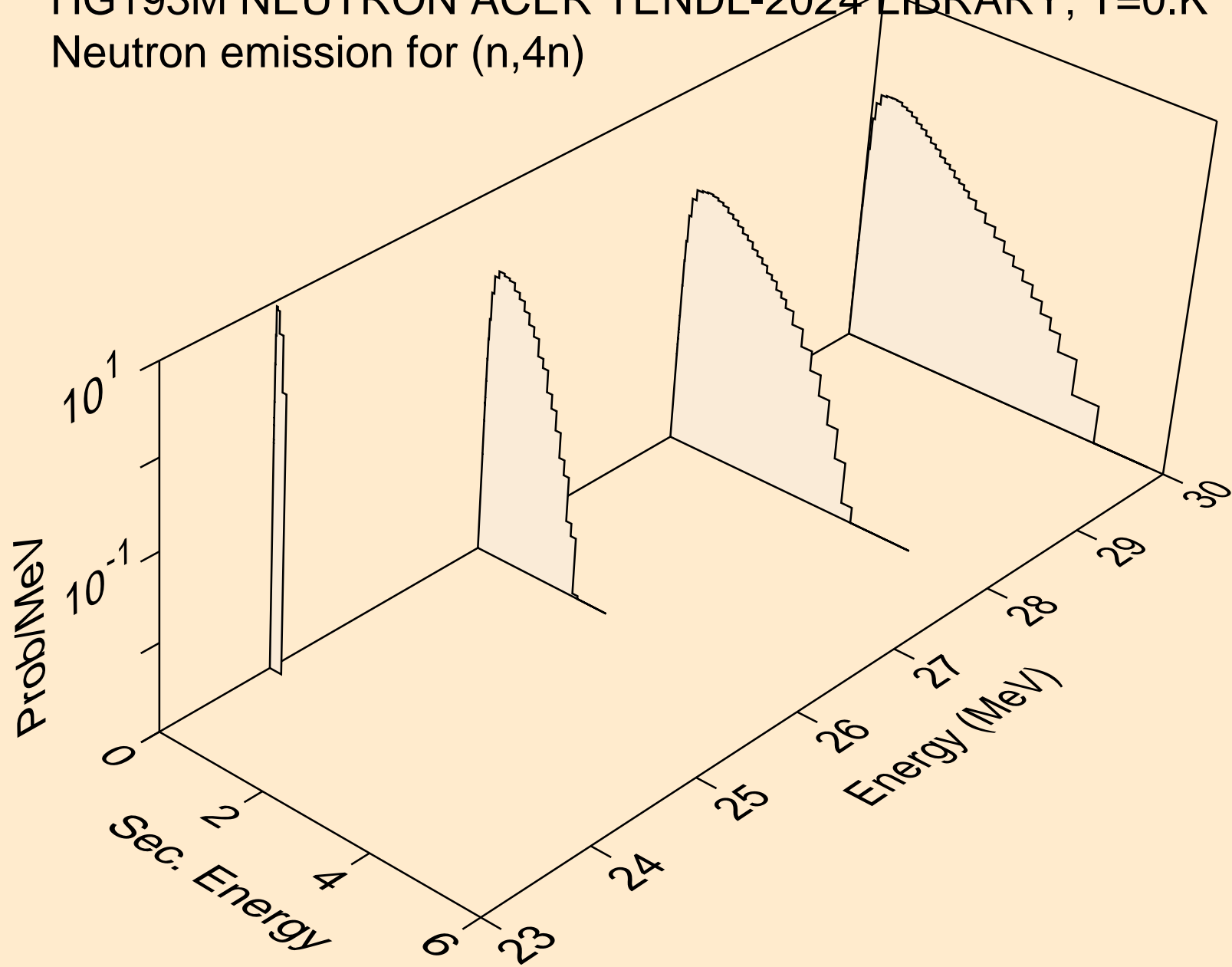
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Neutron emission for (n,n\*)t



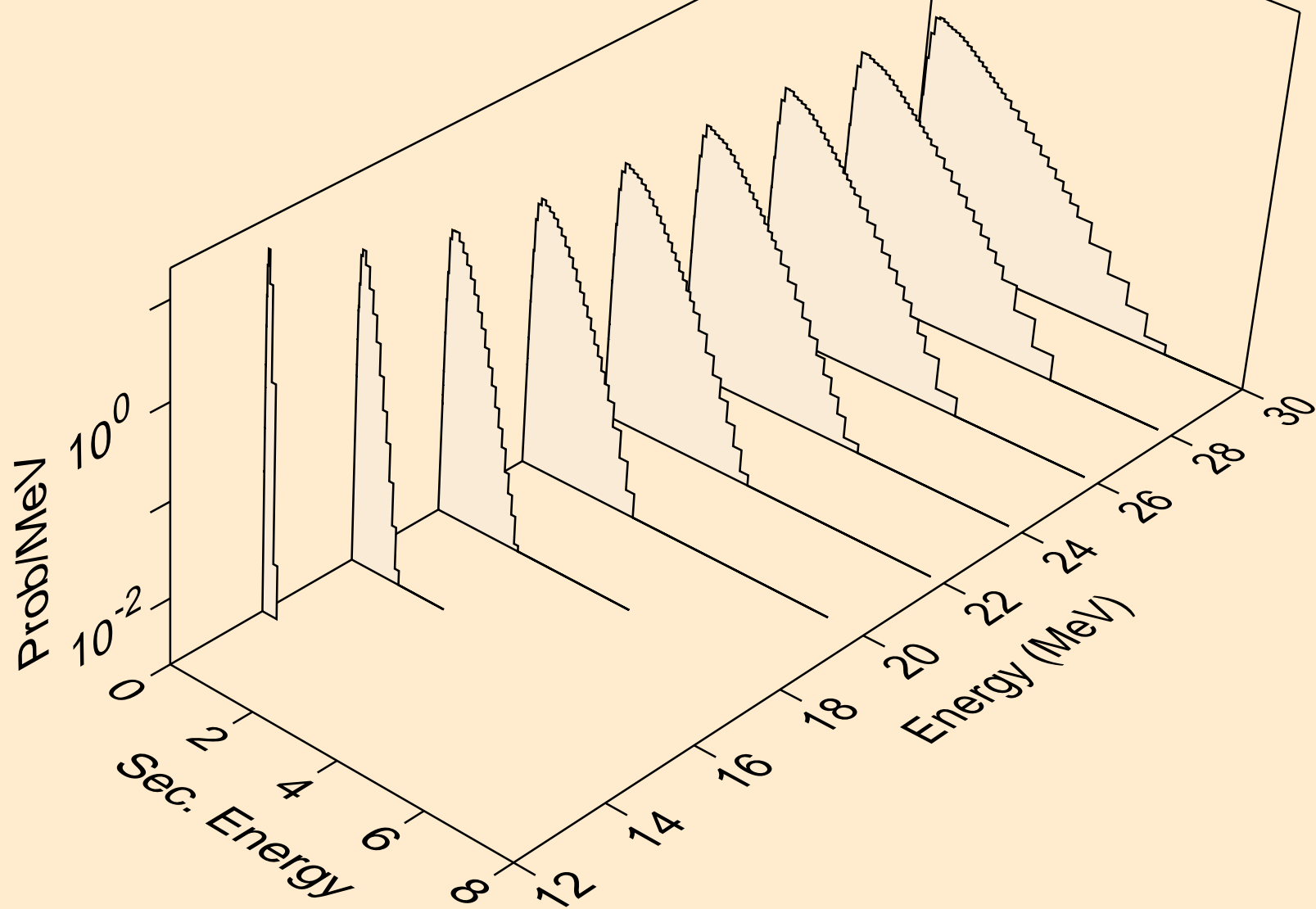
HG193M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,n\*)he3



HG193M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,4n)

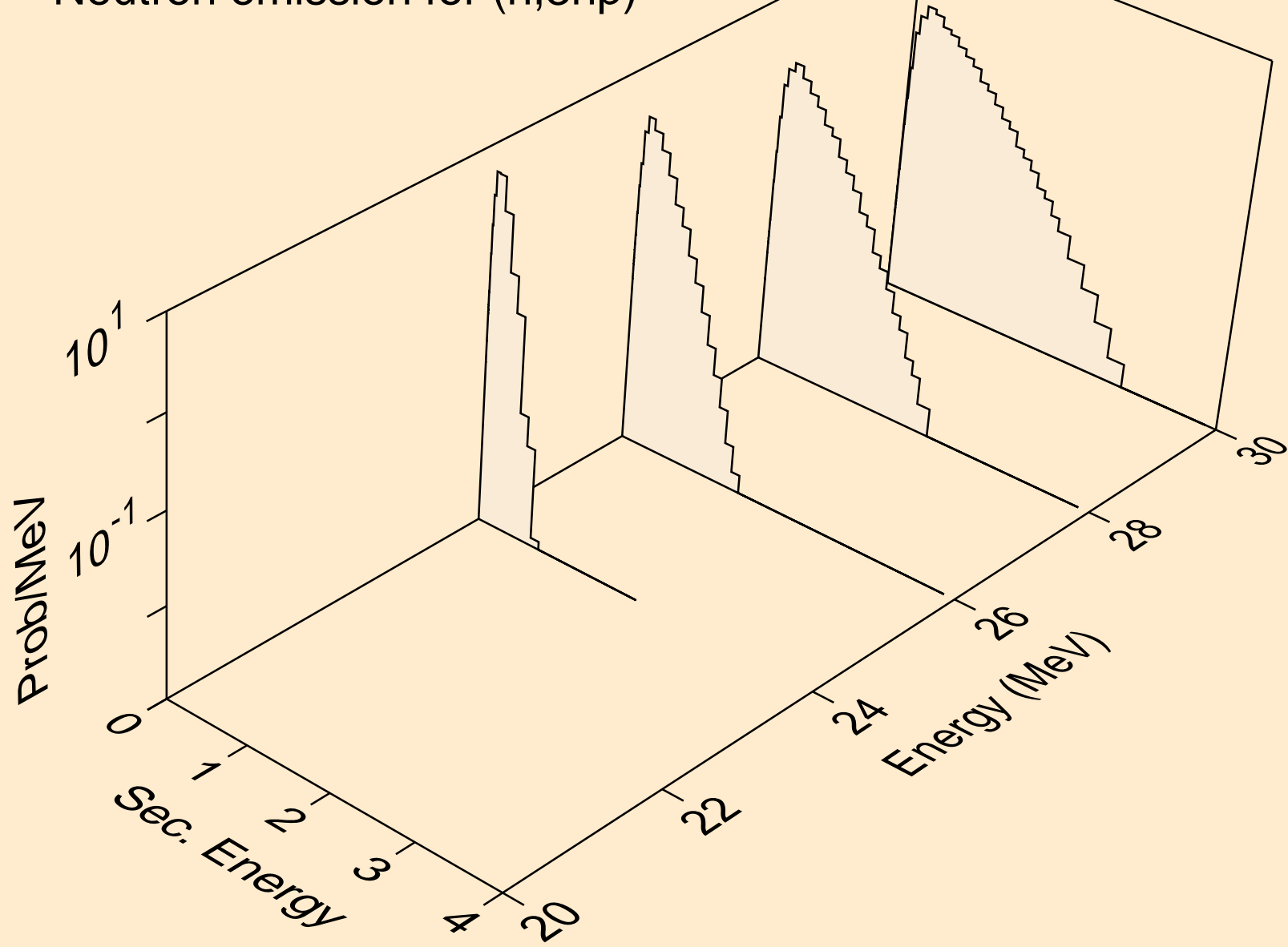


HG193M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,2np)

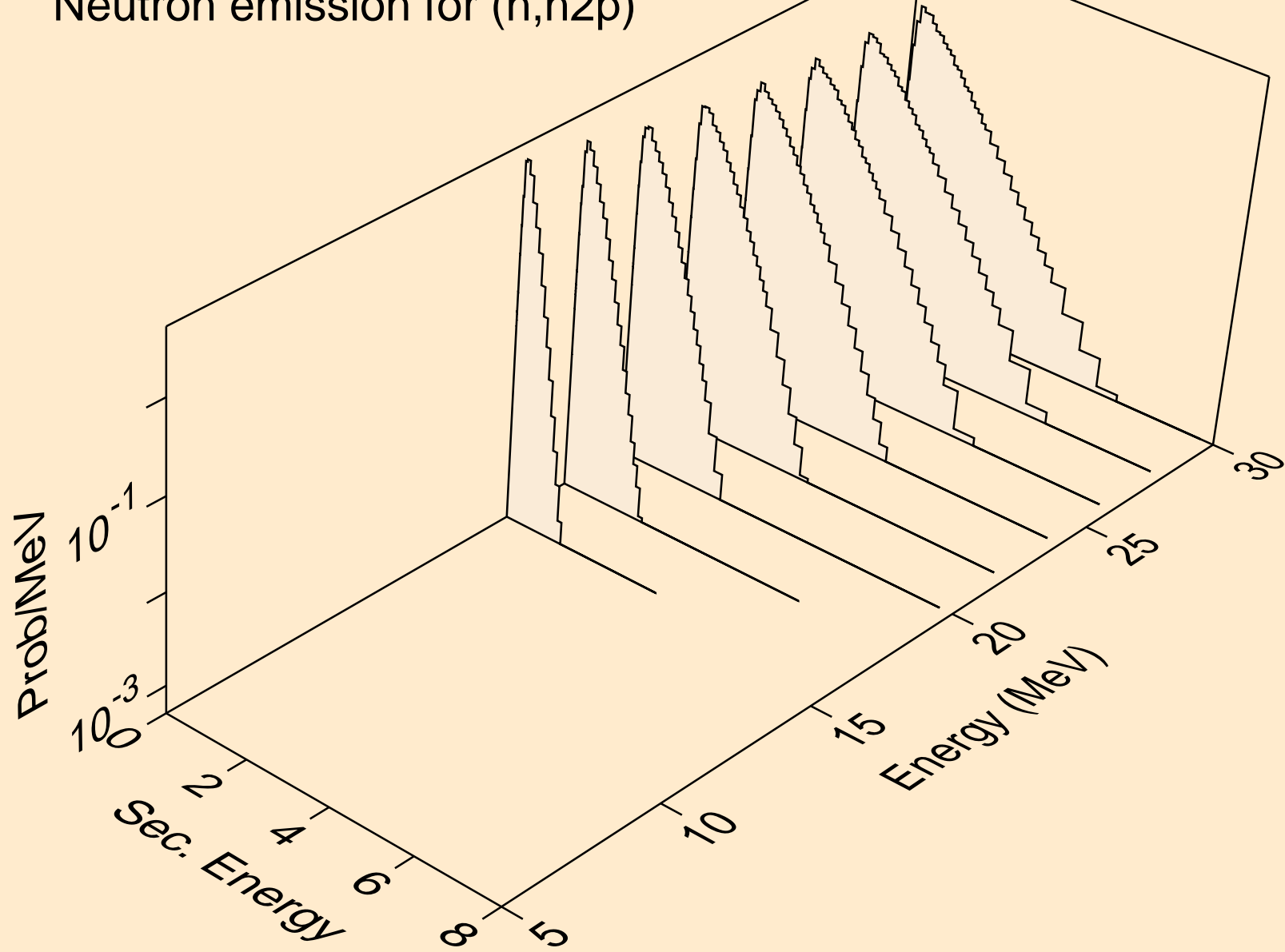




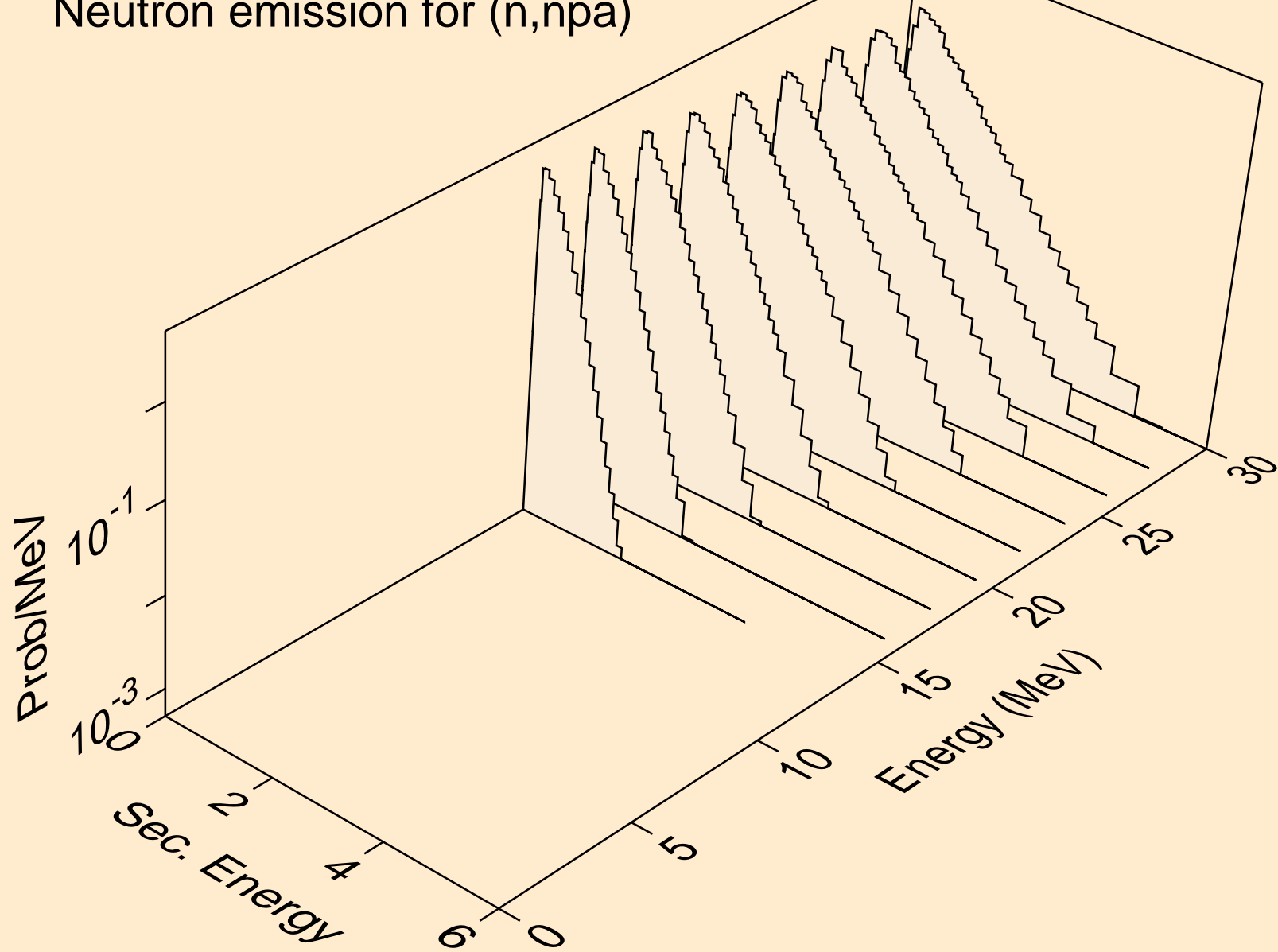
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Neutron emission for (n,3np)



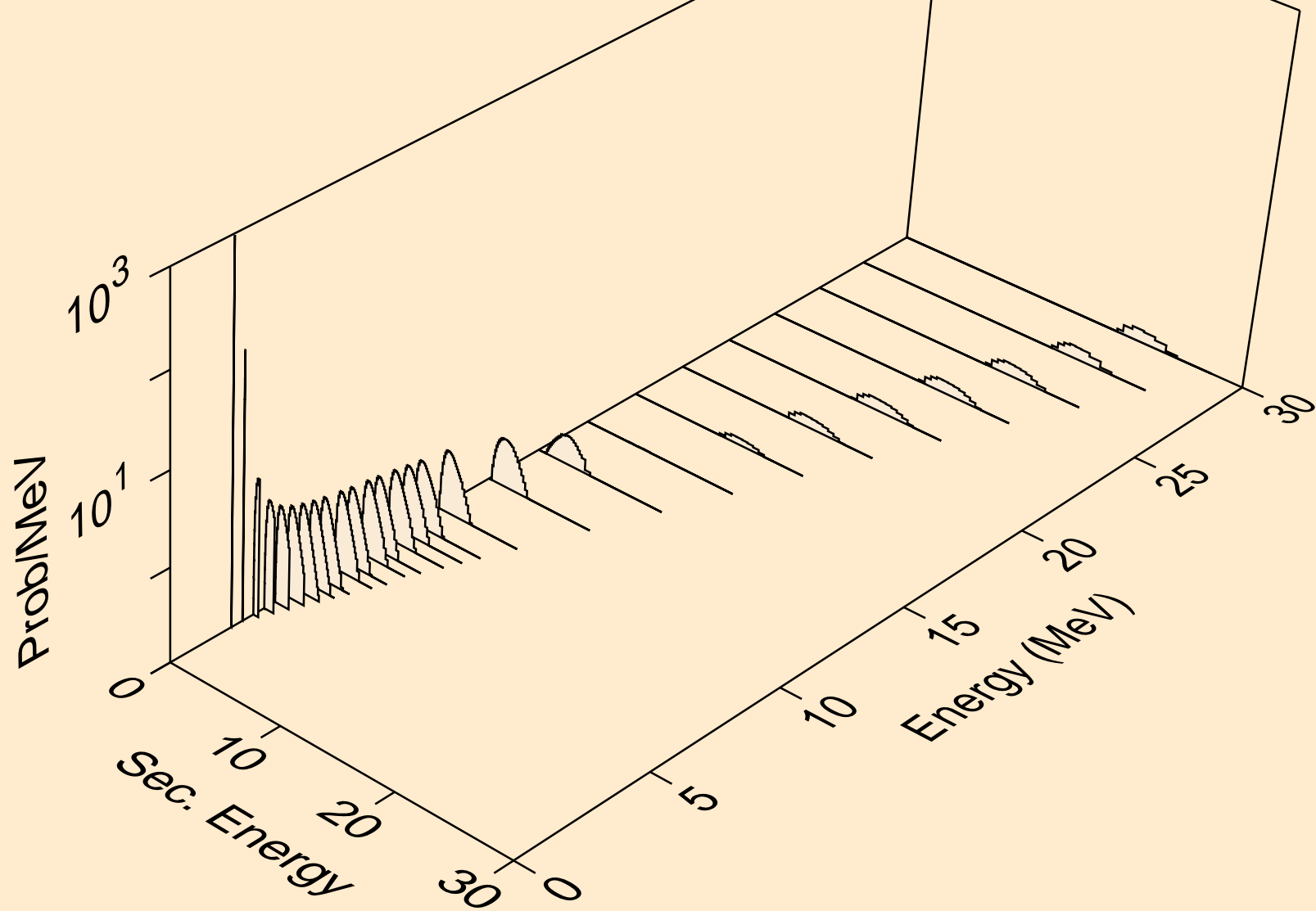
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Neutron emission for (n,n2p)



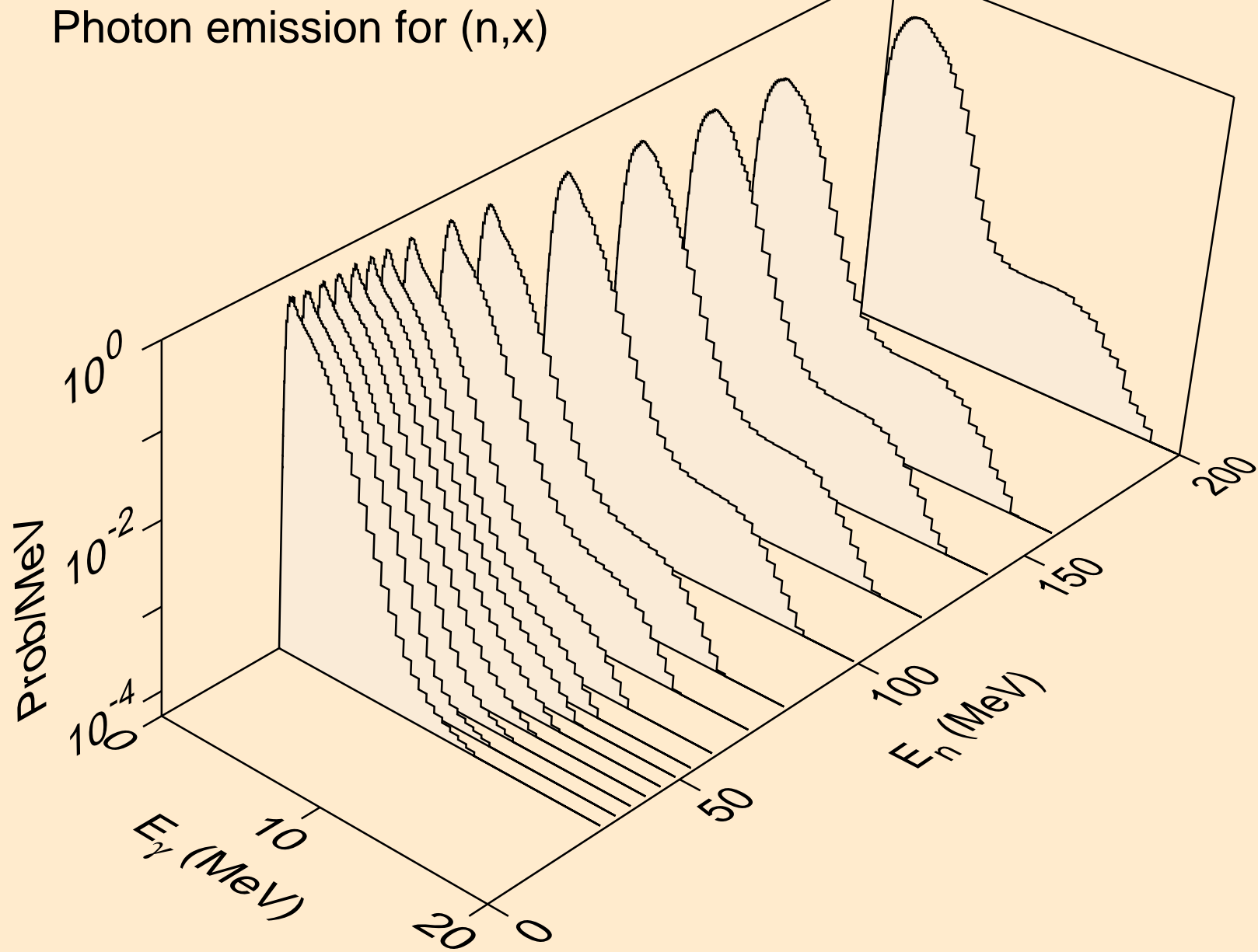
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Neutron emission for (n,npa)



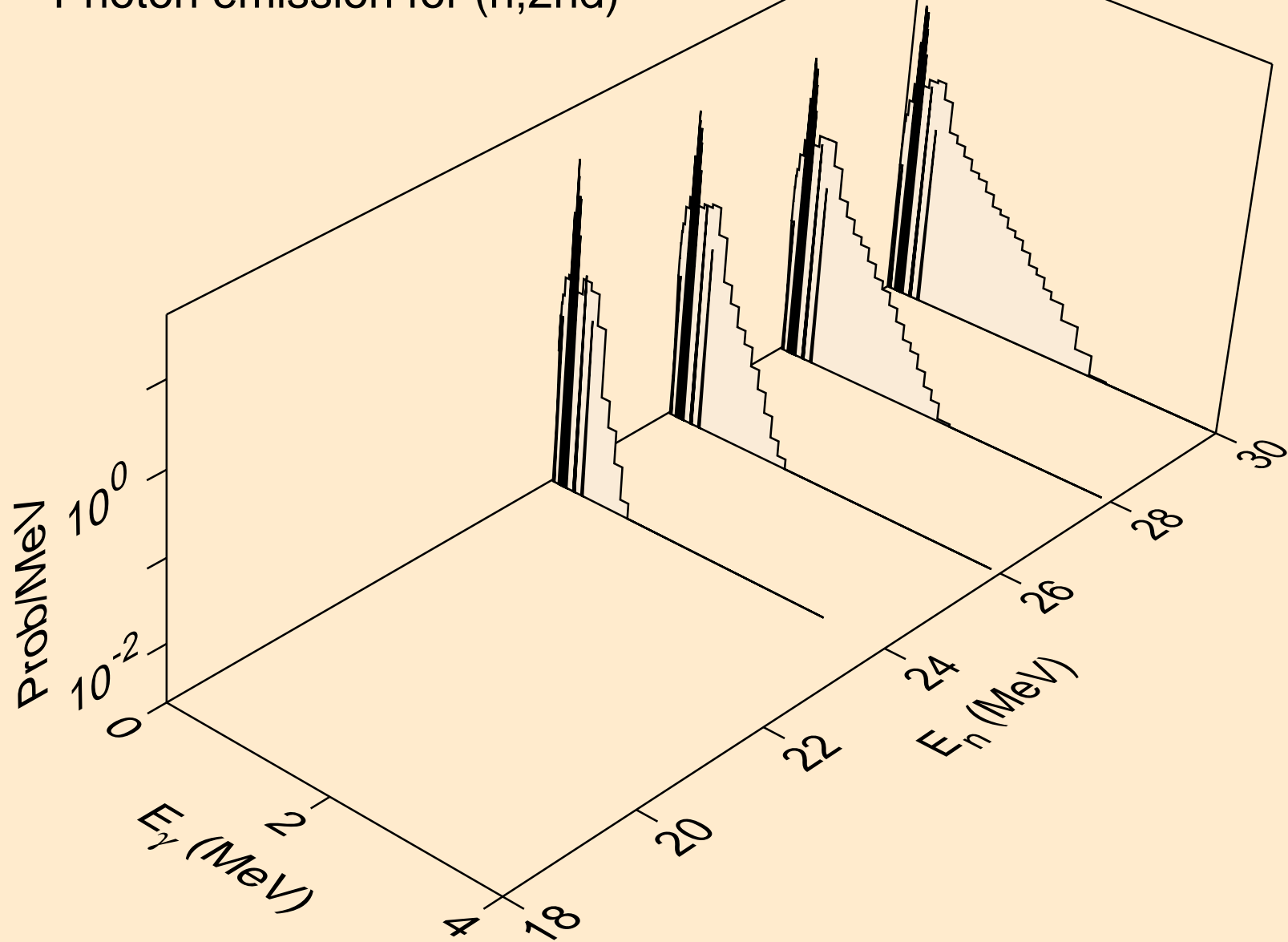
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Neutron emission for (n,n\*c)



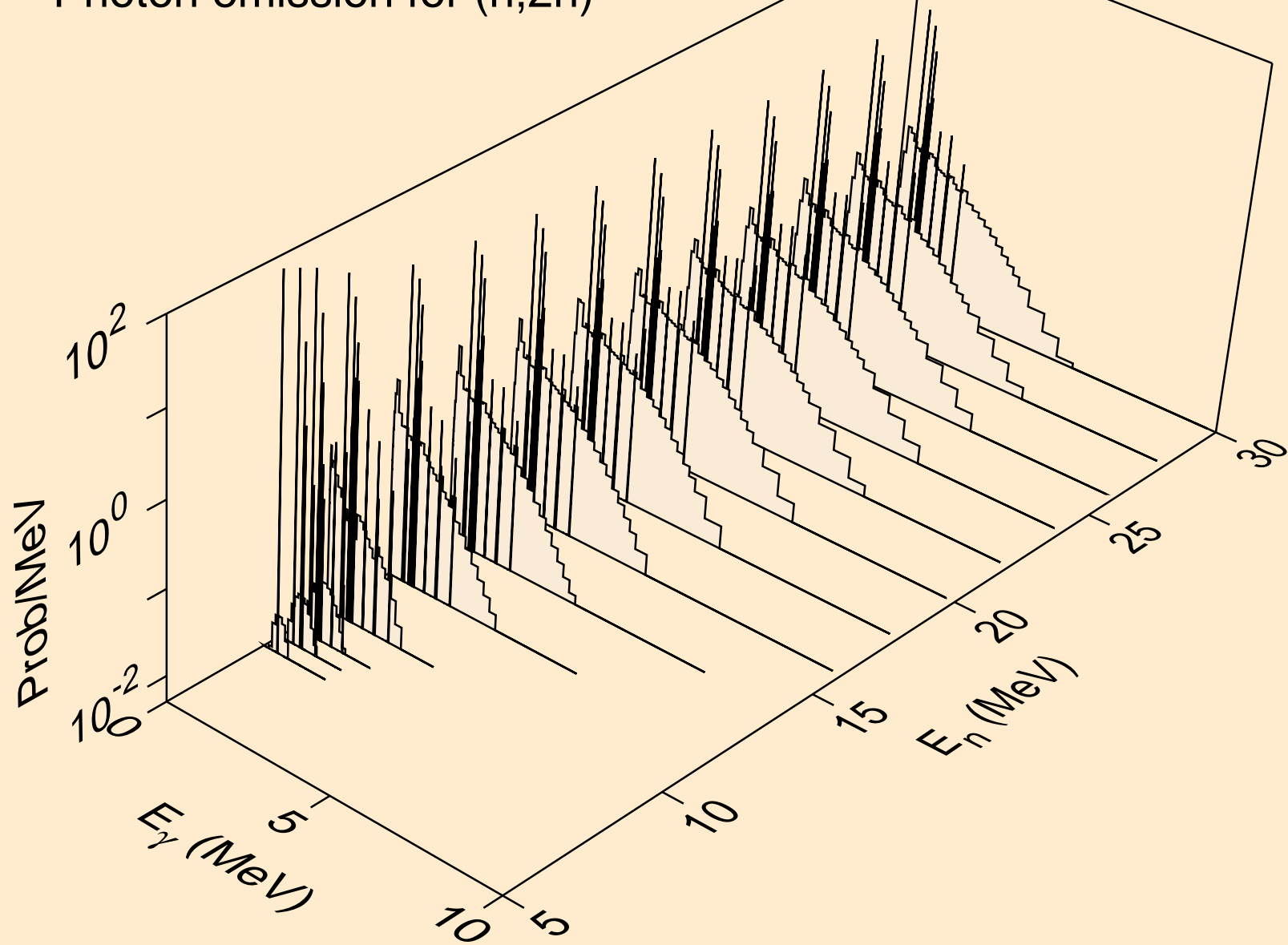
HG193M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,x)



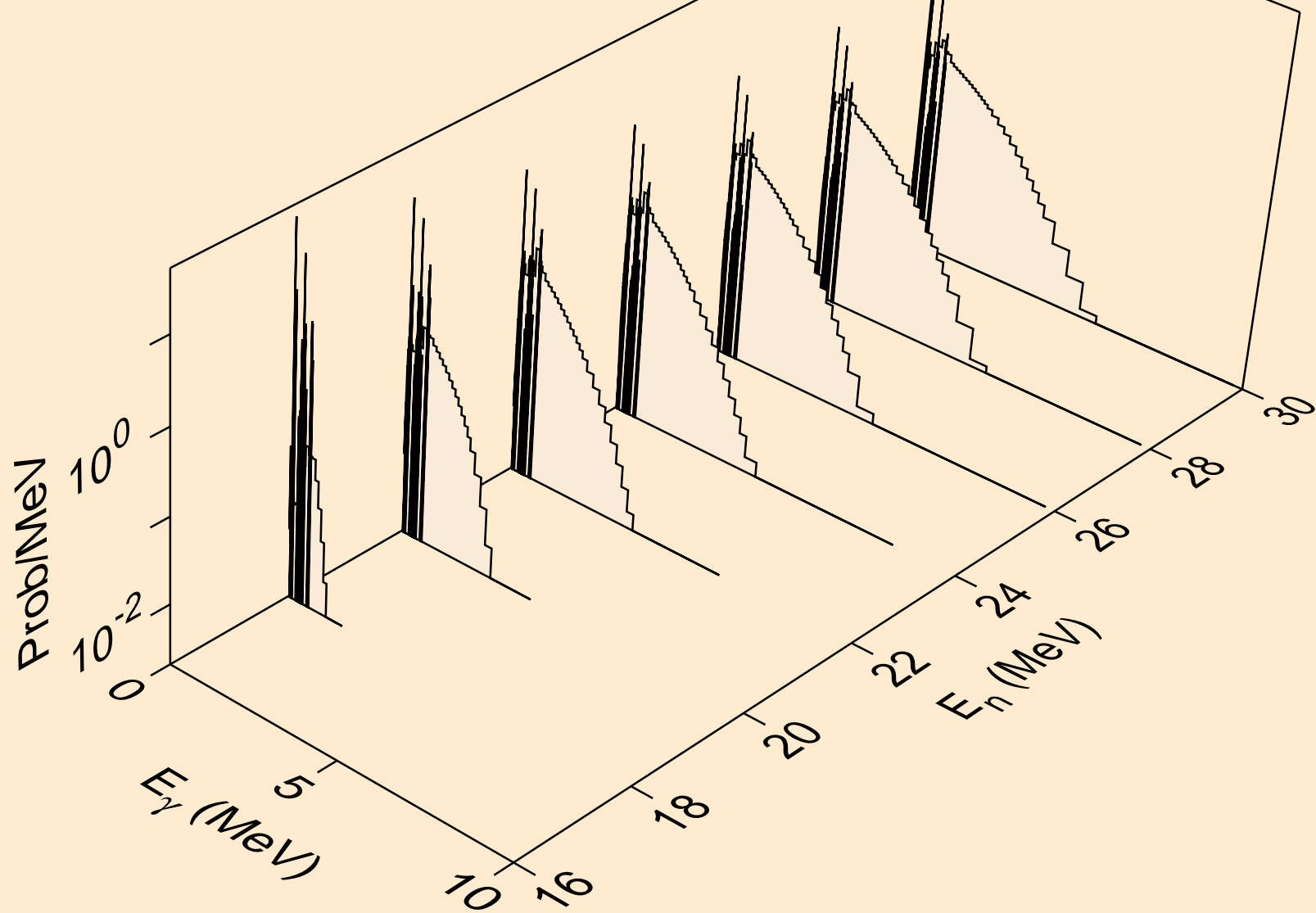
HG193M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,2nd)



HG193M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,2n)

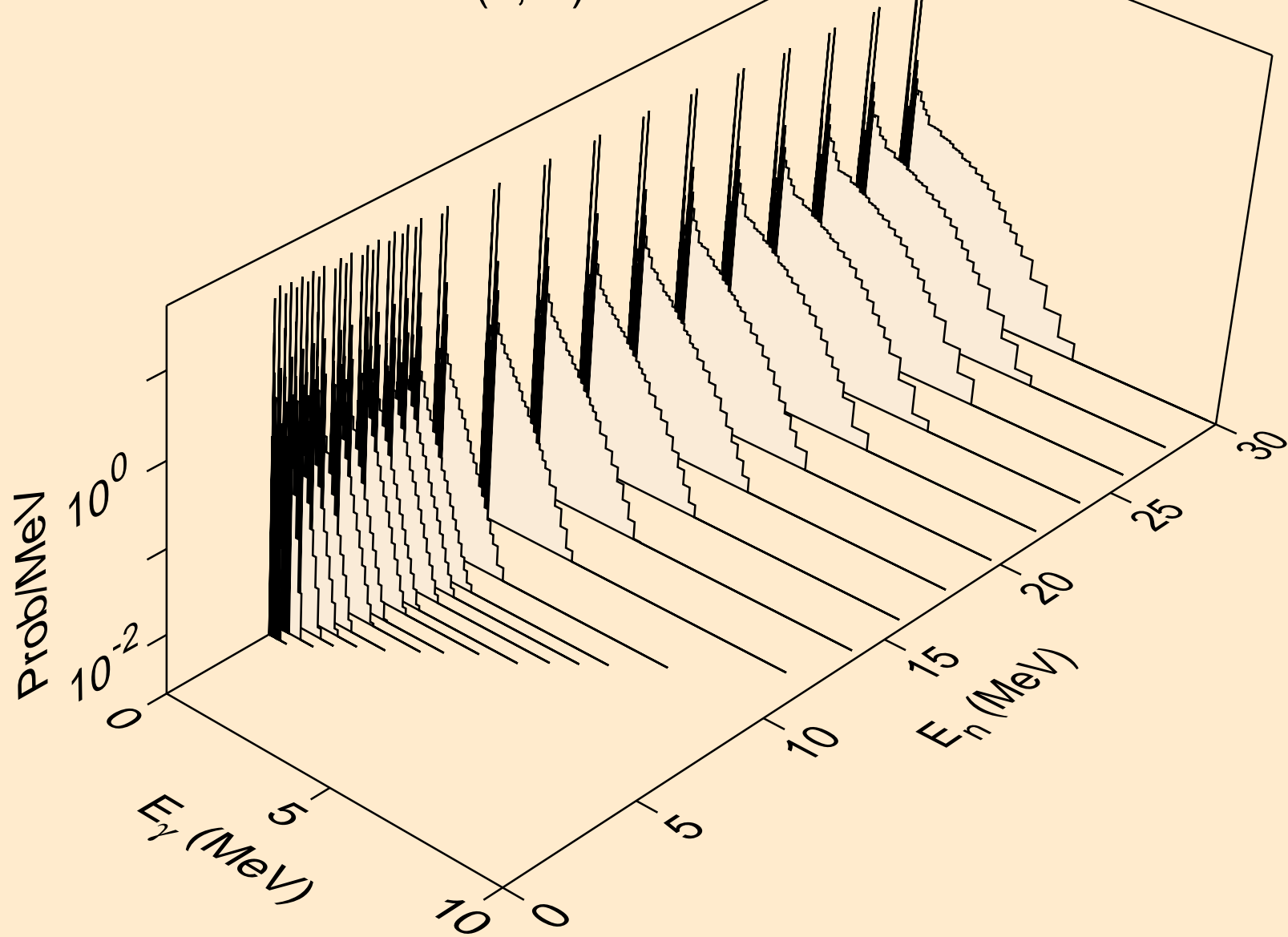


HG193M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,3n)

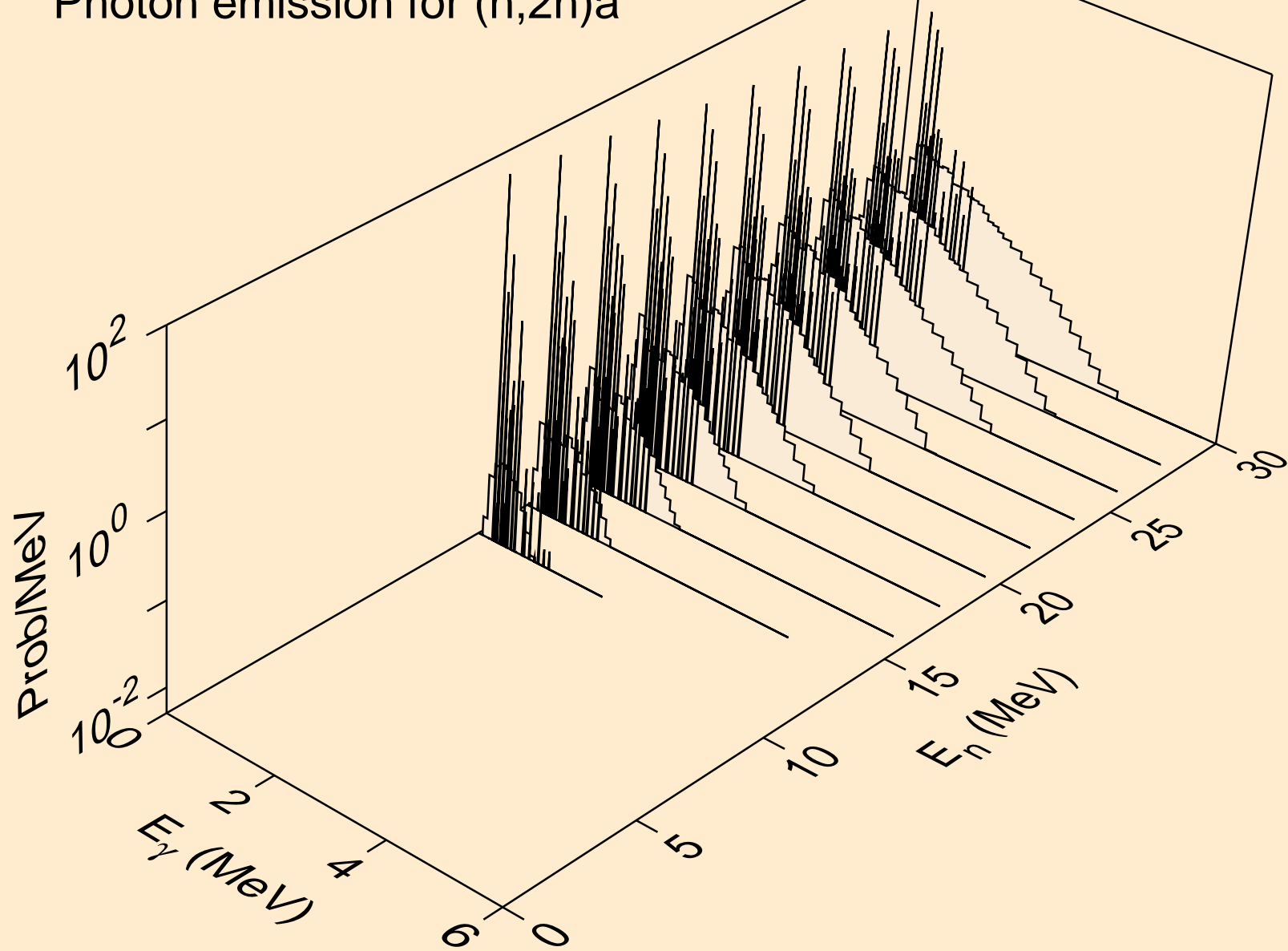




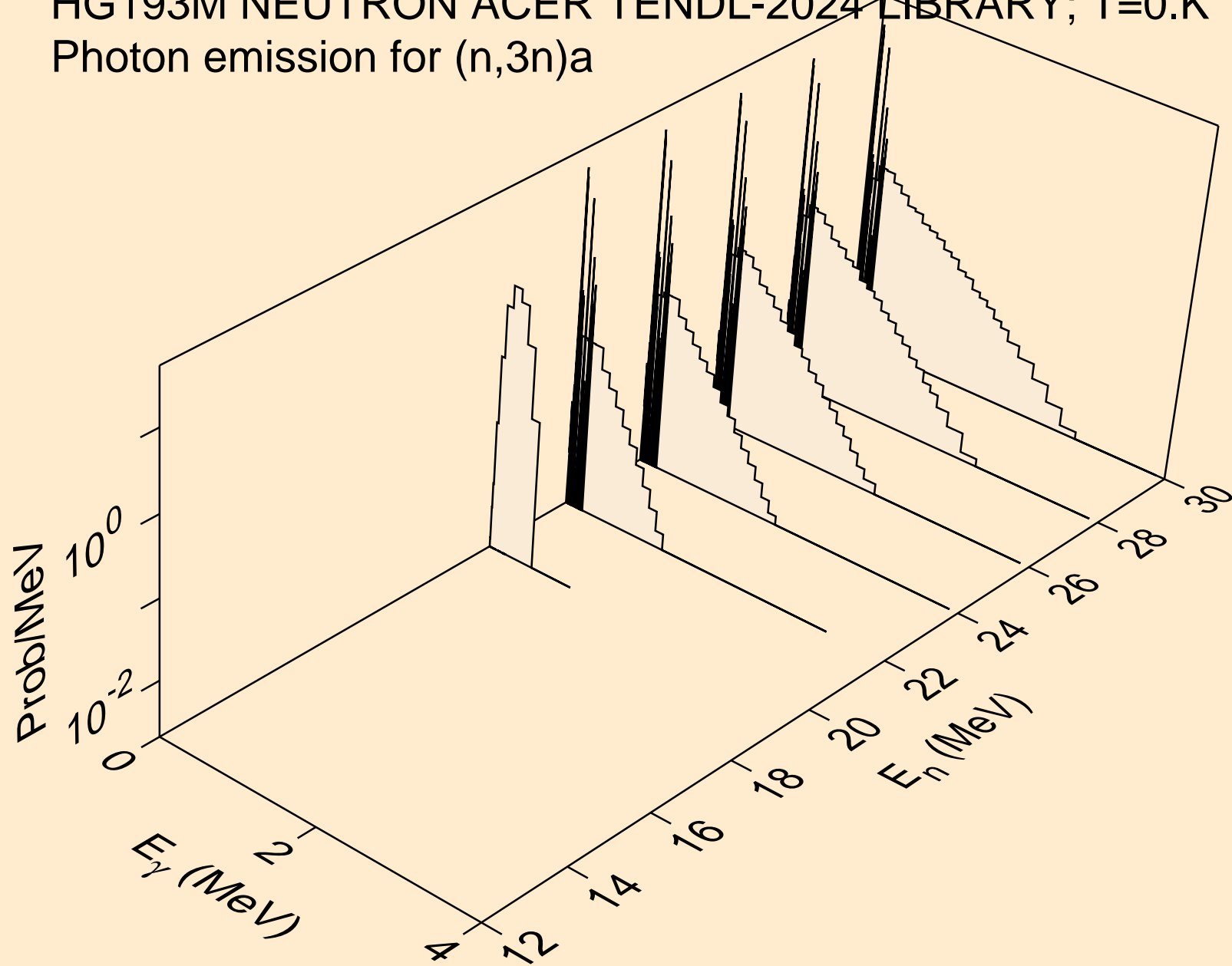
HG193M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,n\*)a



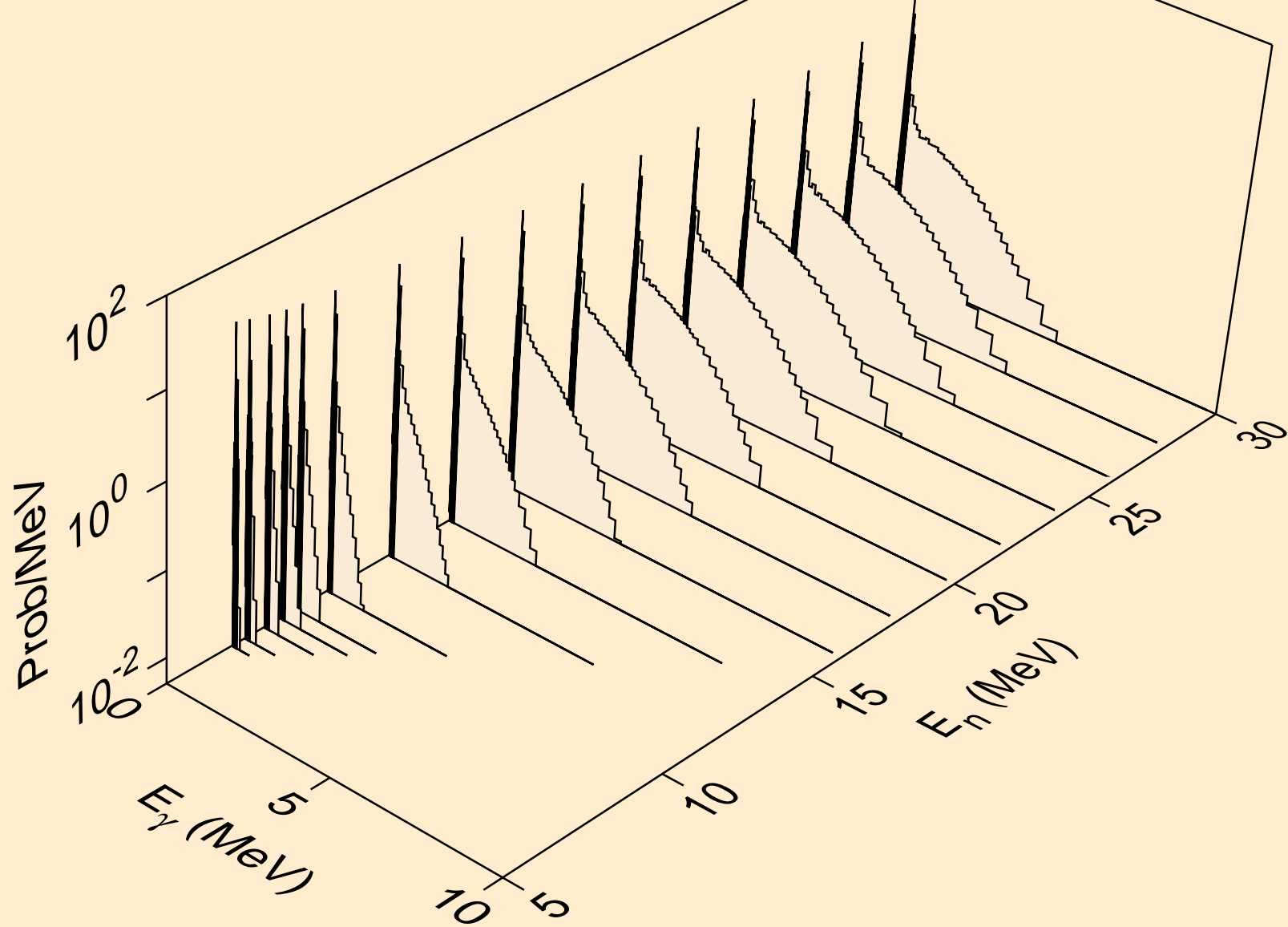
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Photon emission for (n,2n)a



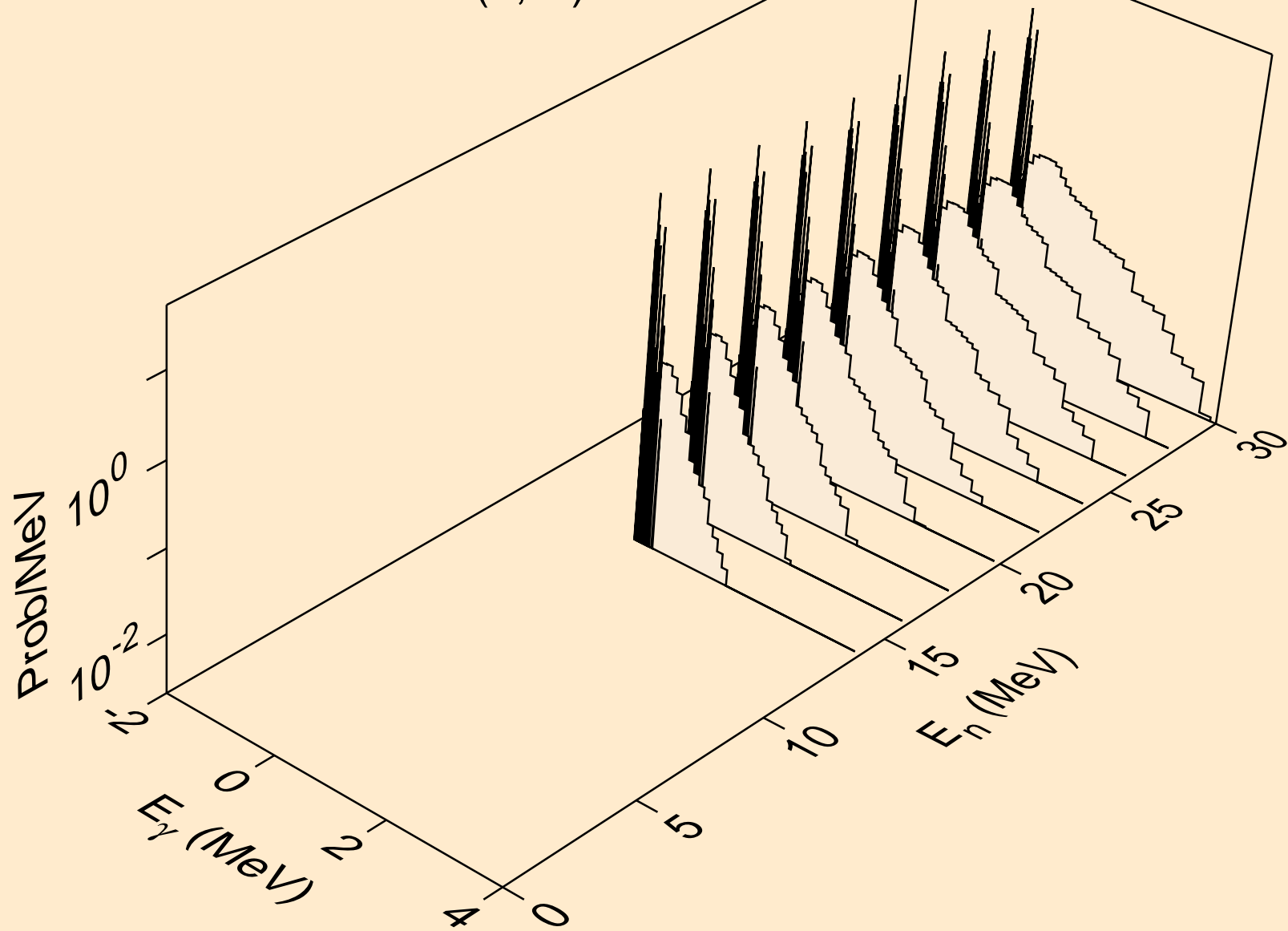
HG193M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,3n)a



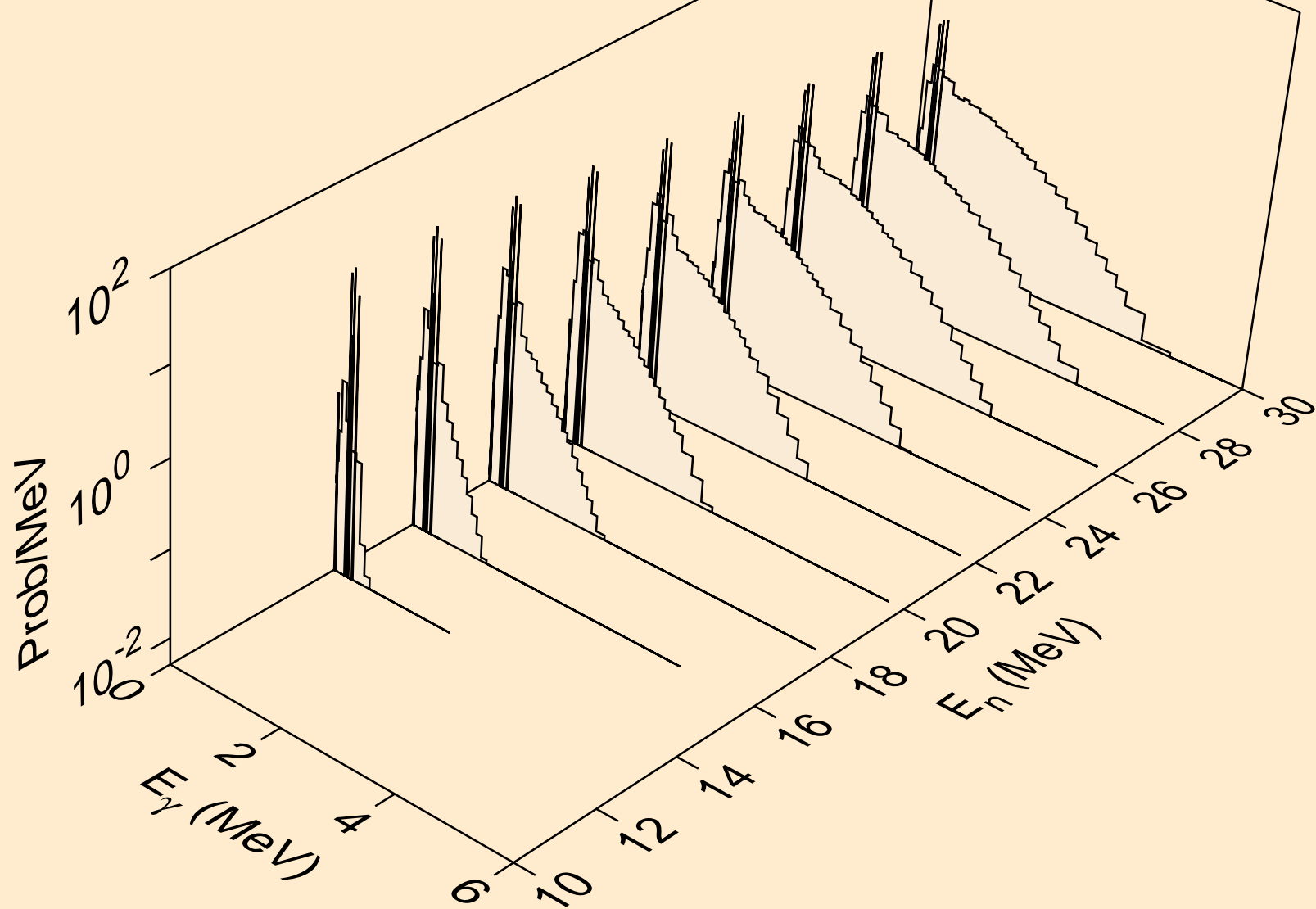
HG193M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,n\*)p



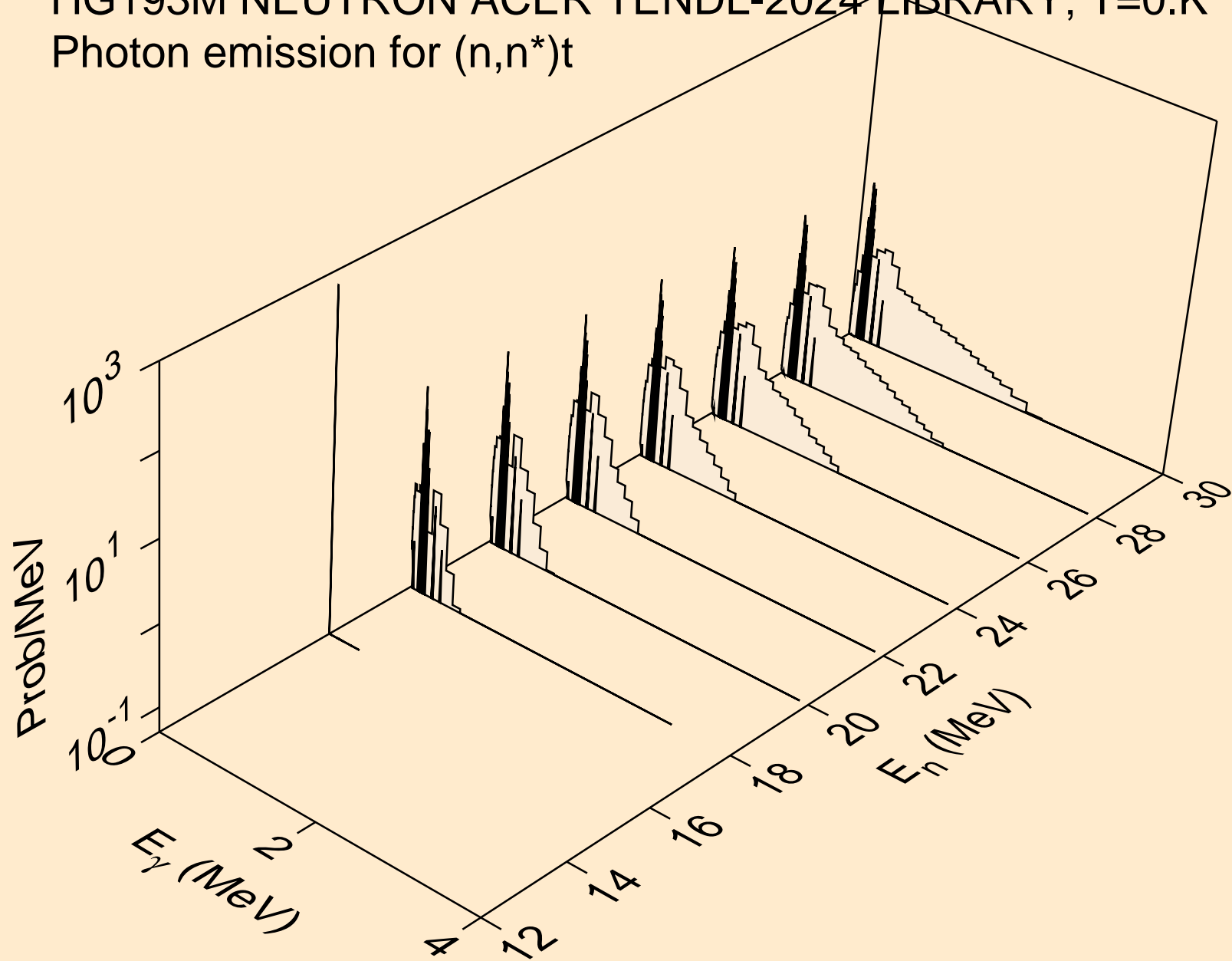
HG193M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,n\*)2a



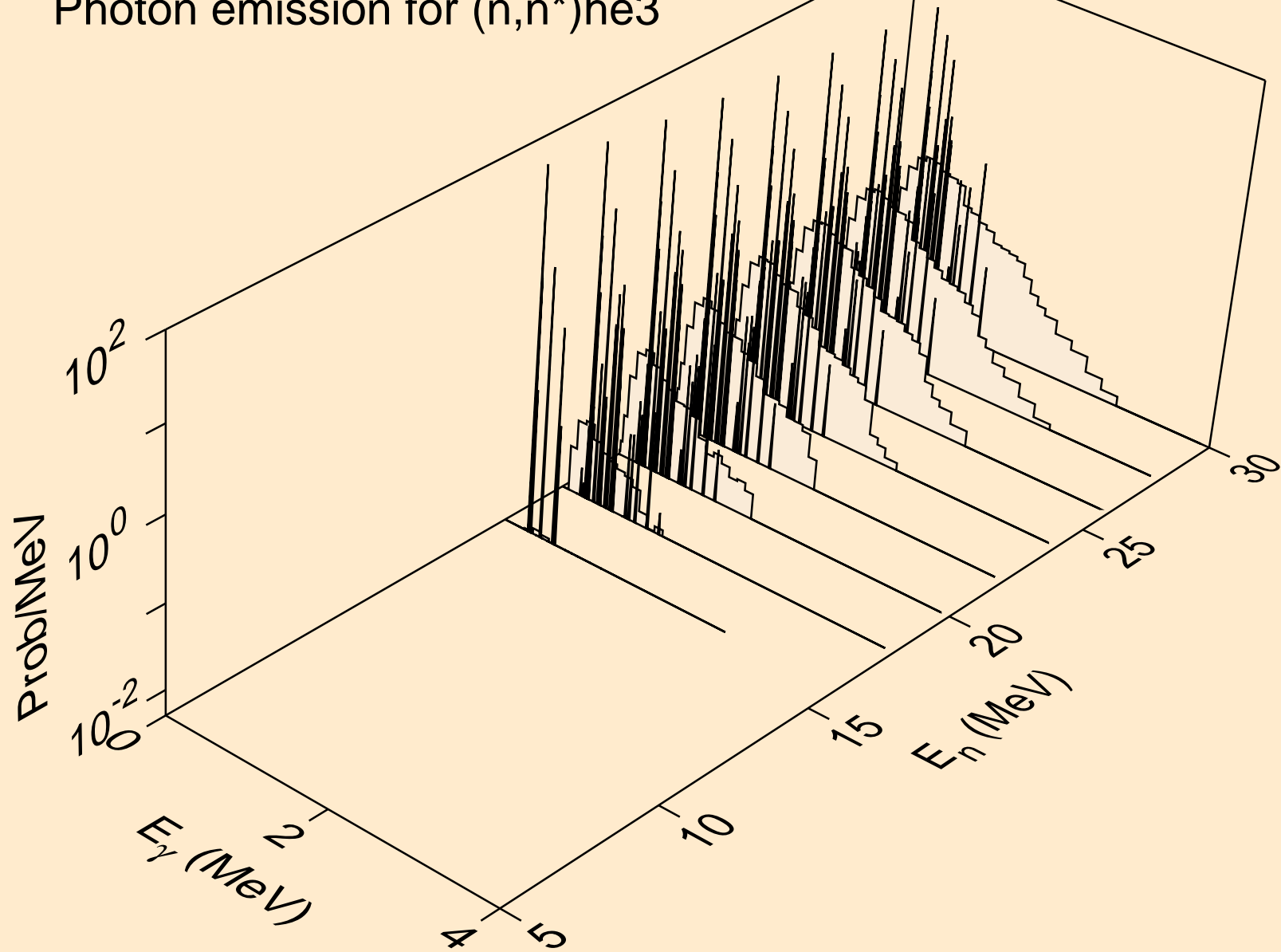
HG193M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,n\*)d



HG193M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,n\*)t

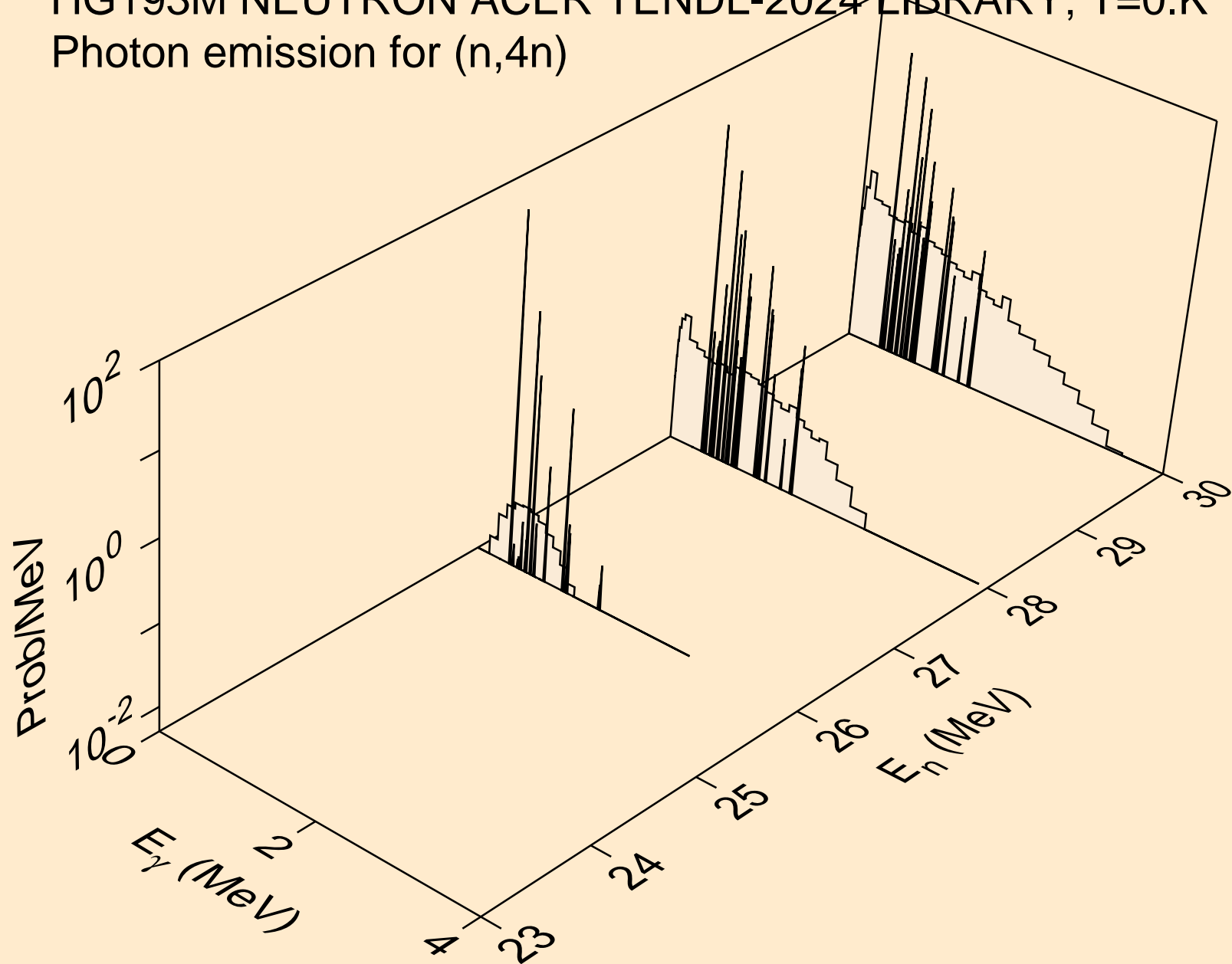


HG193M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,n\*)he3

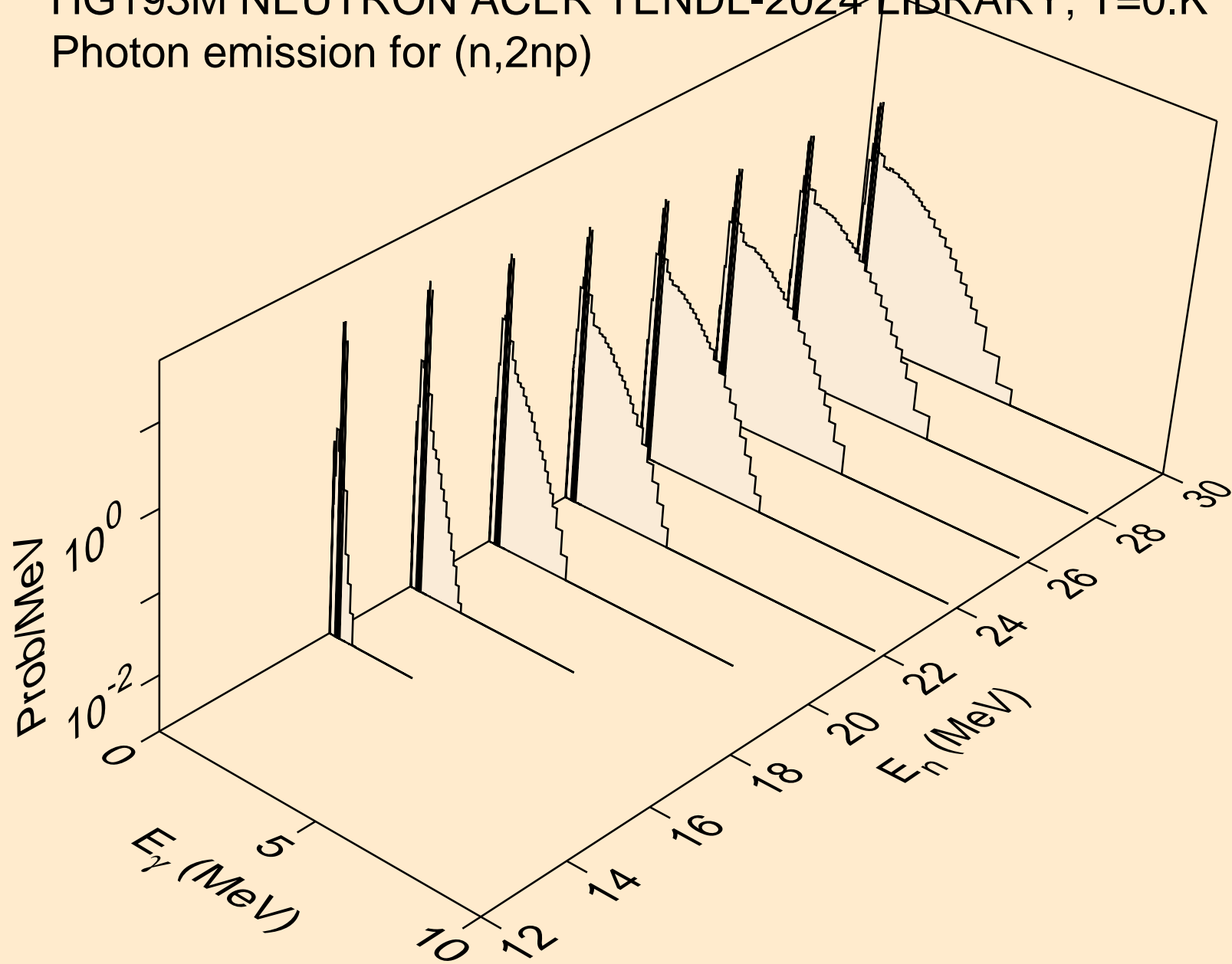




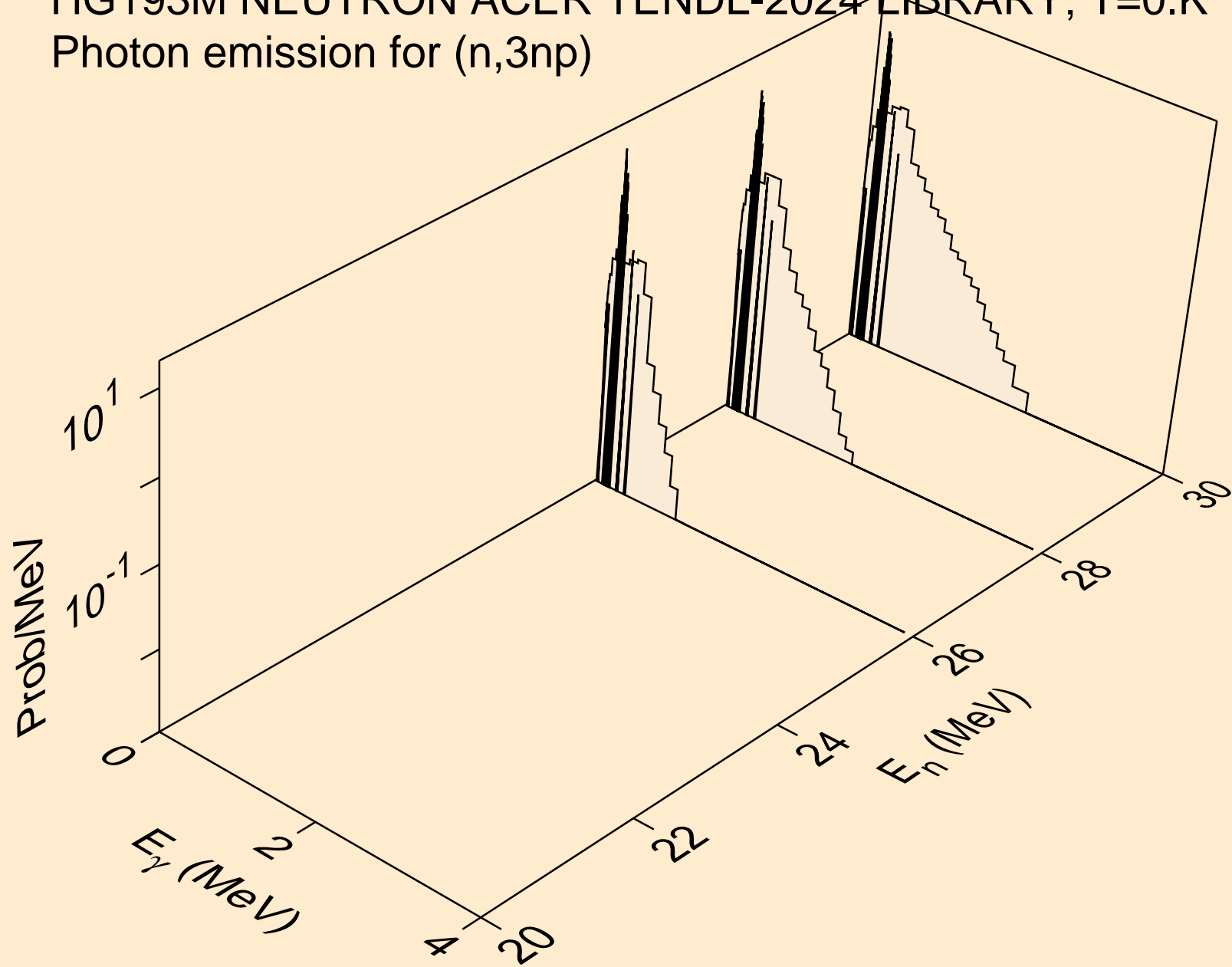
HG193M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,4n)



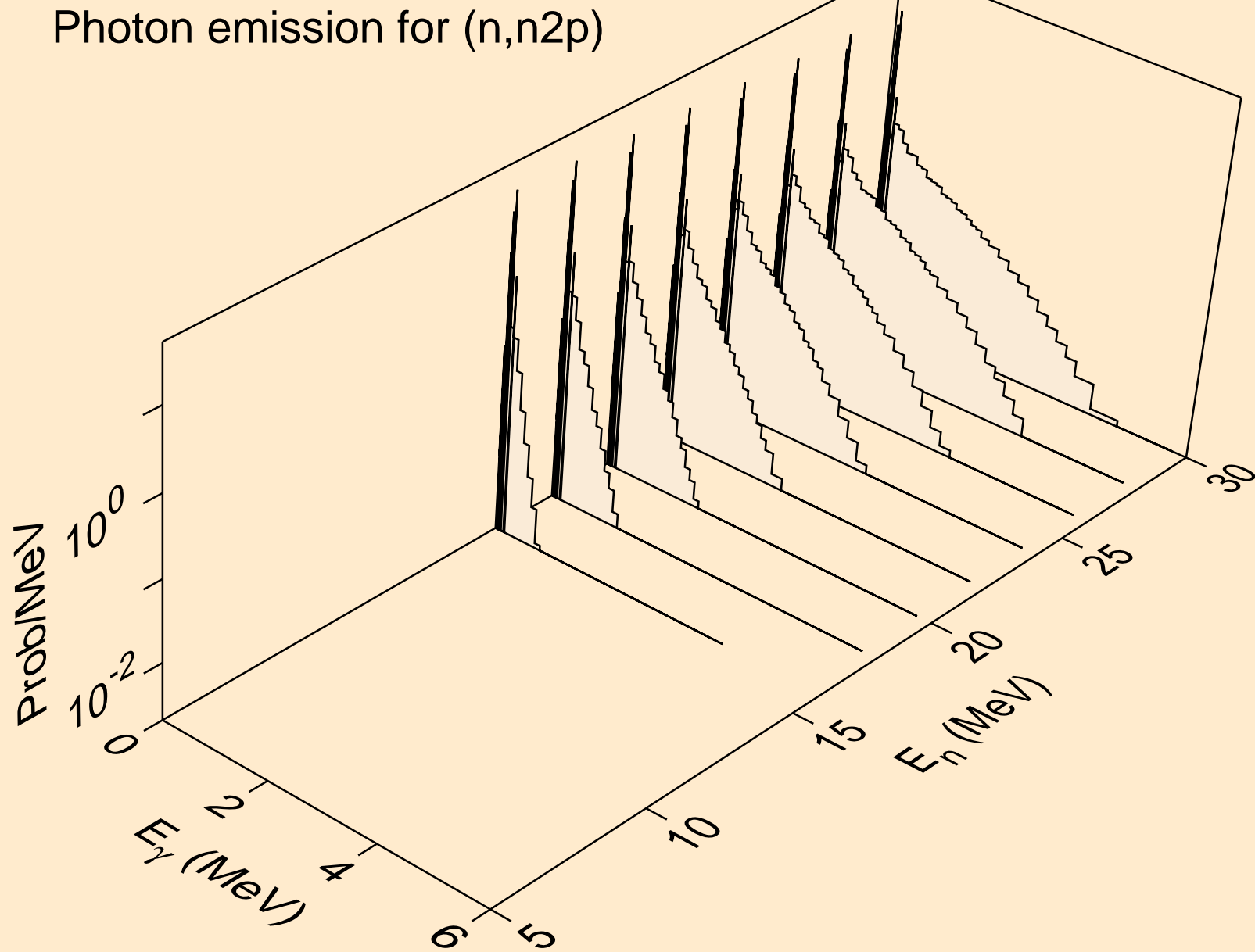
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Photon emission for (n,2np)



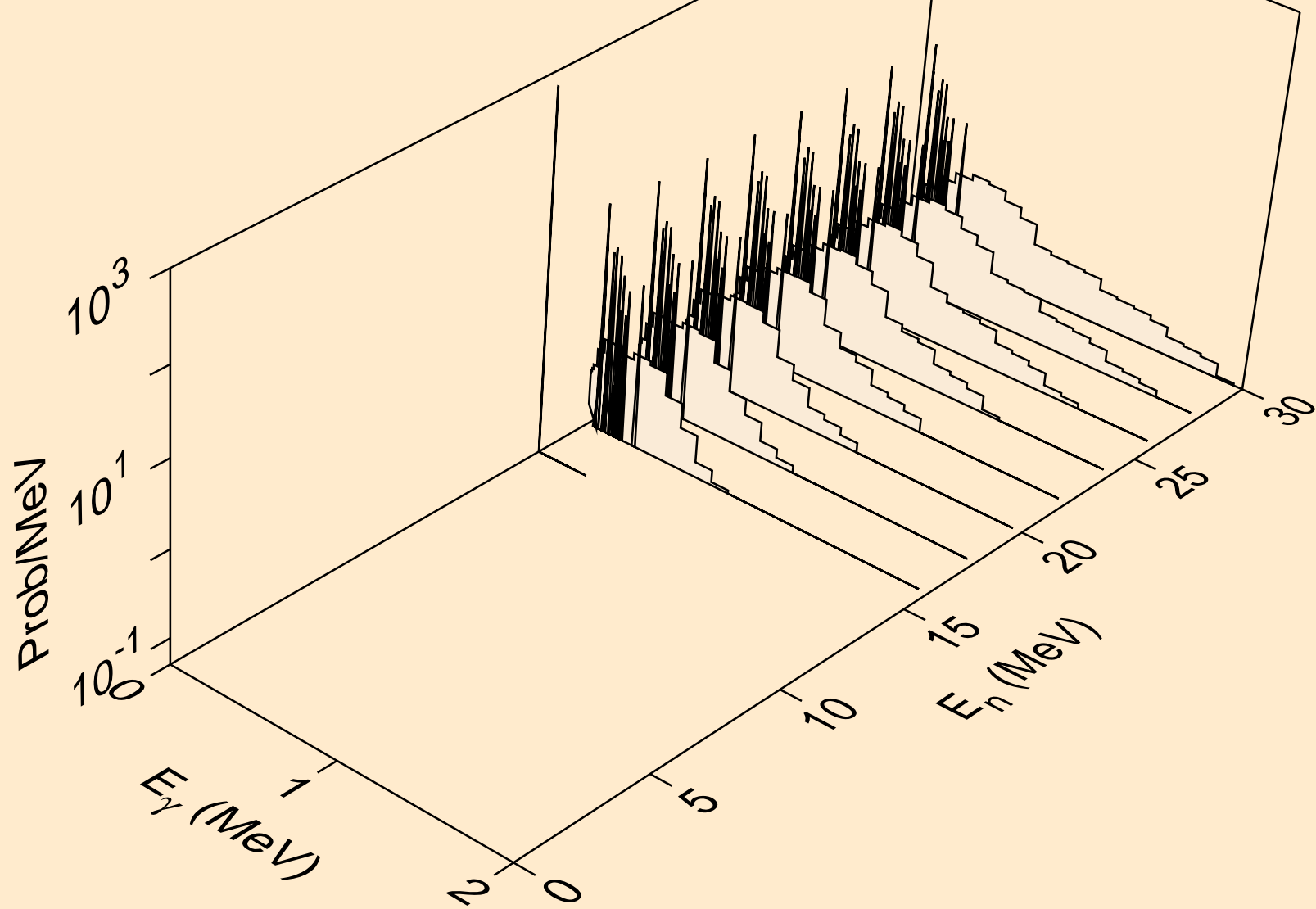
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Photon emission for (n,3np)



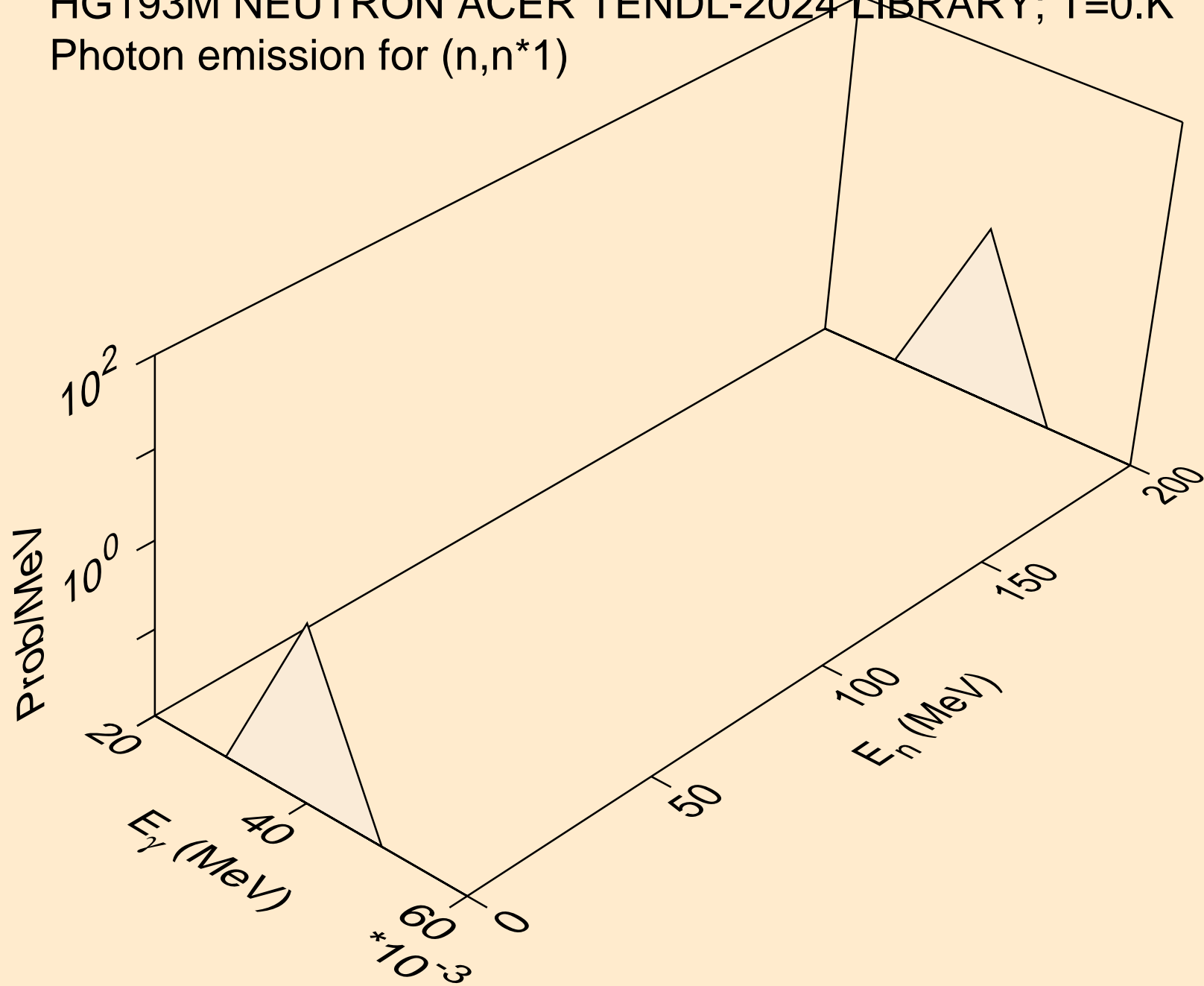
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Photon emission for (n,n2p)



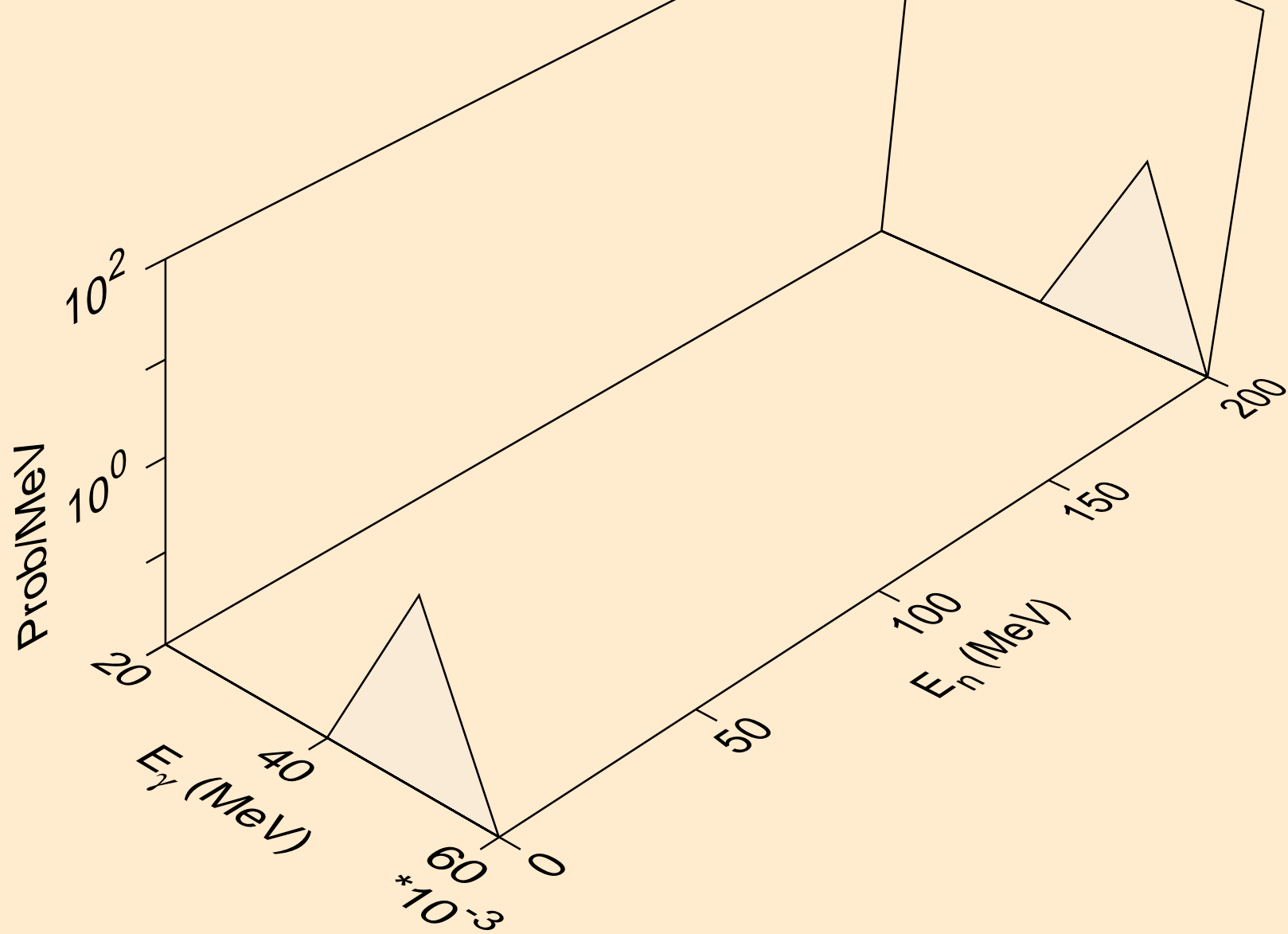
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Photon emission for (n,npa)



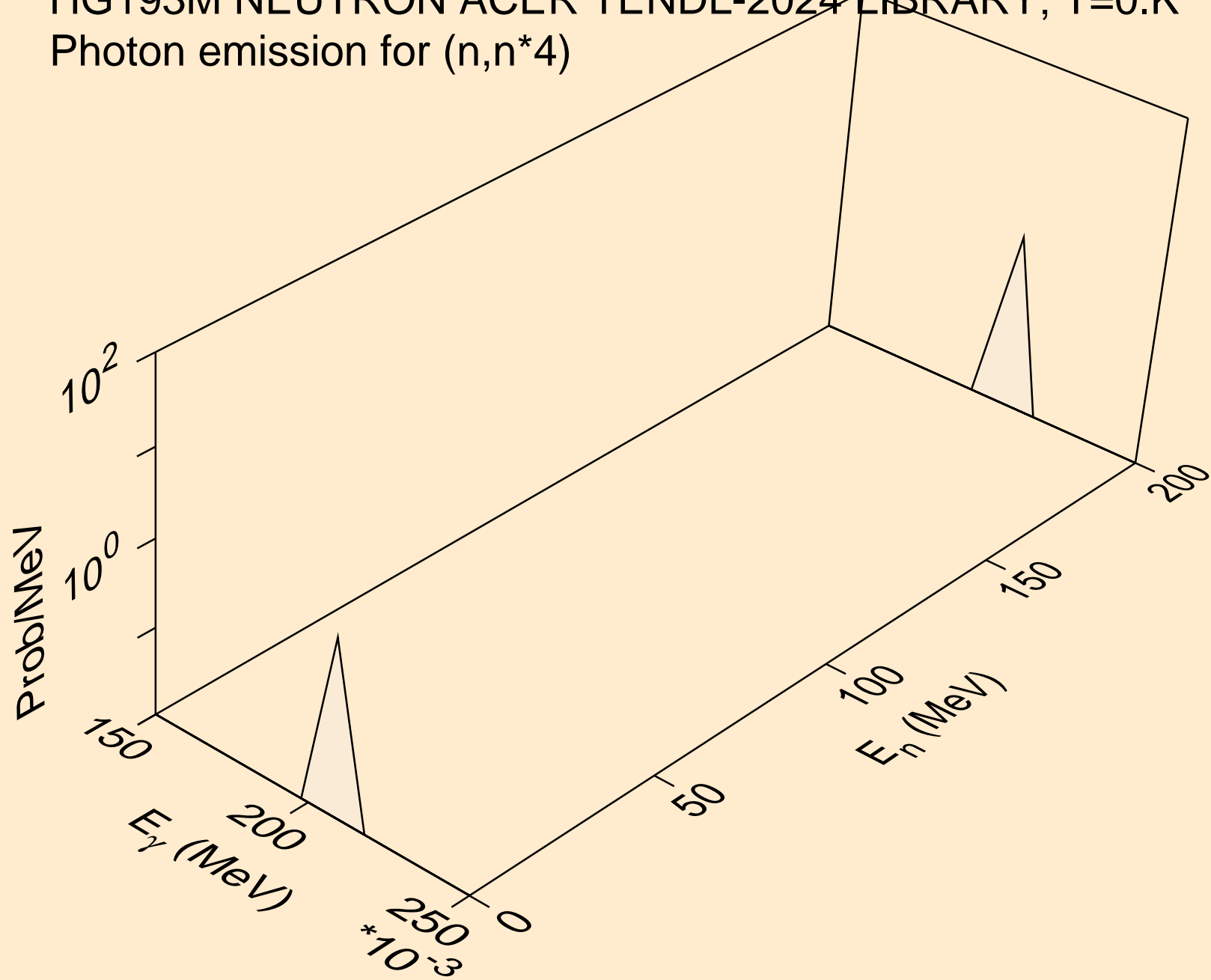
HG193M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,n\*1)



HG193M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,n\*2)

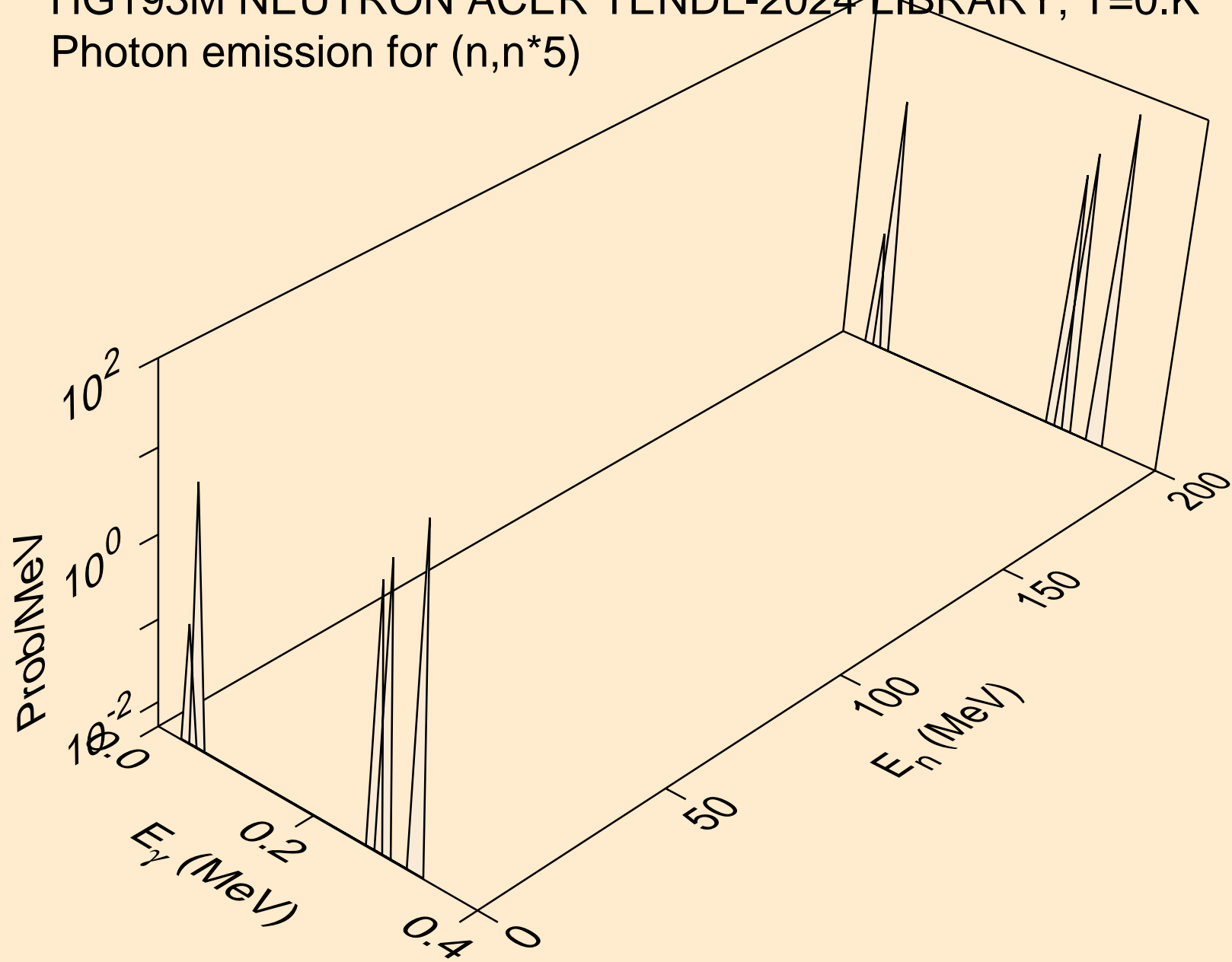


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Photon emission for (n,n\*4)

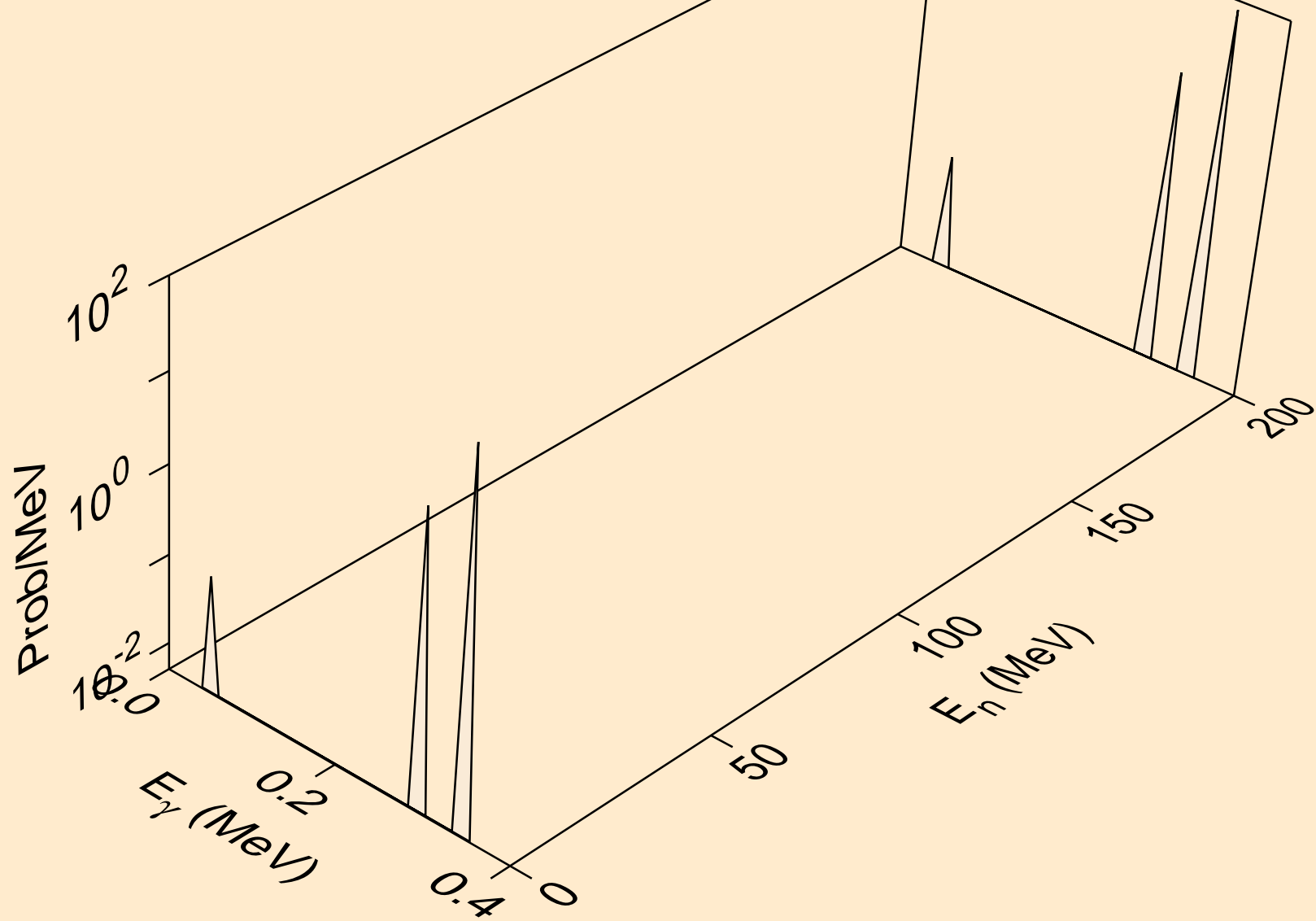




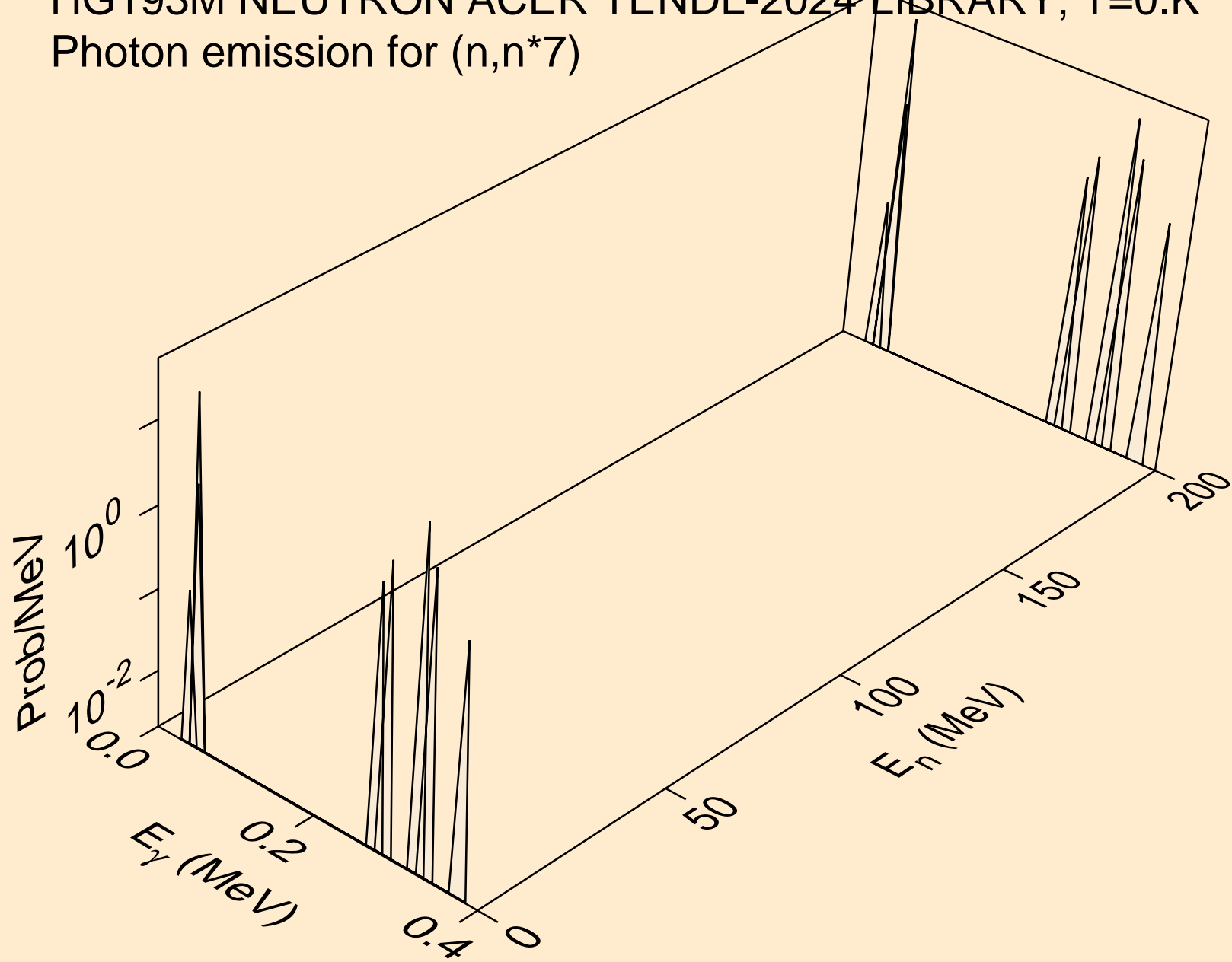
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Photon emission for (n,n\*5)



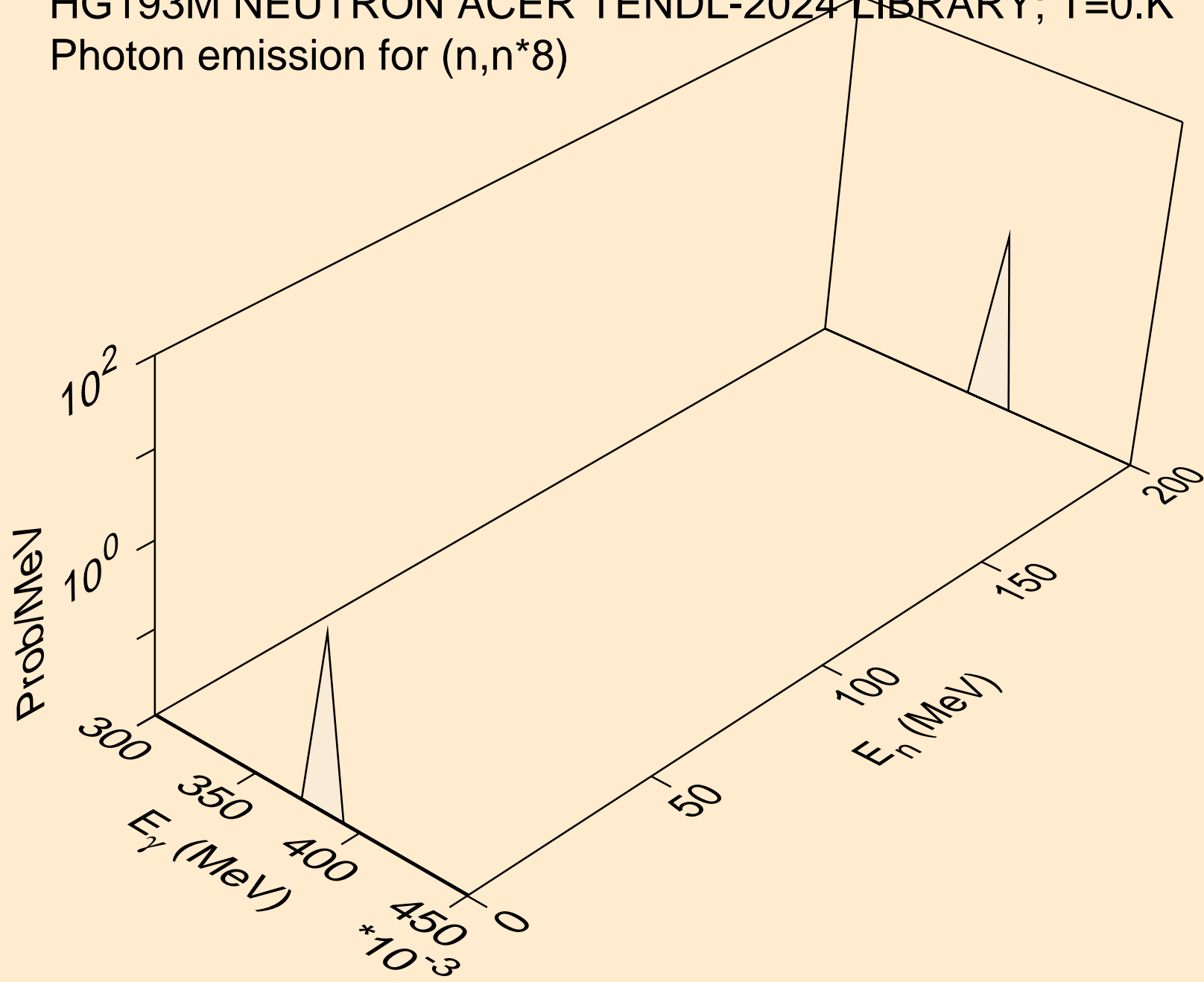
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Photon emission for (n,n\*6)



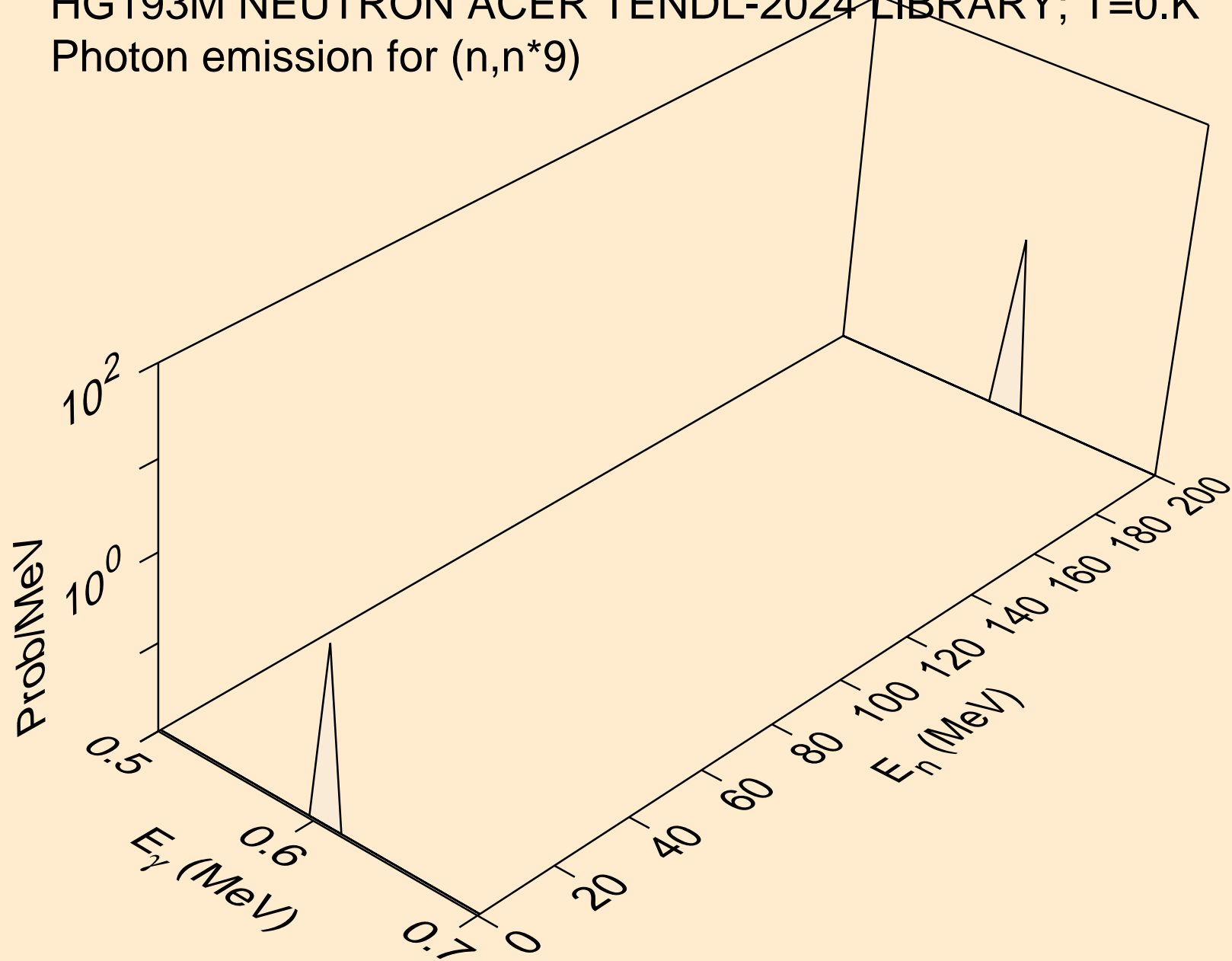
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Photon emission for (n,n\*7)



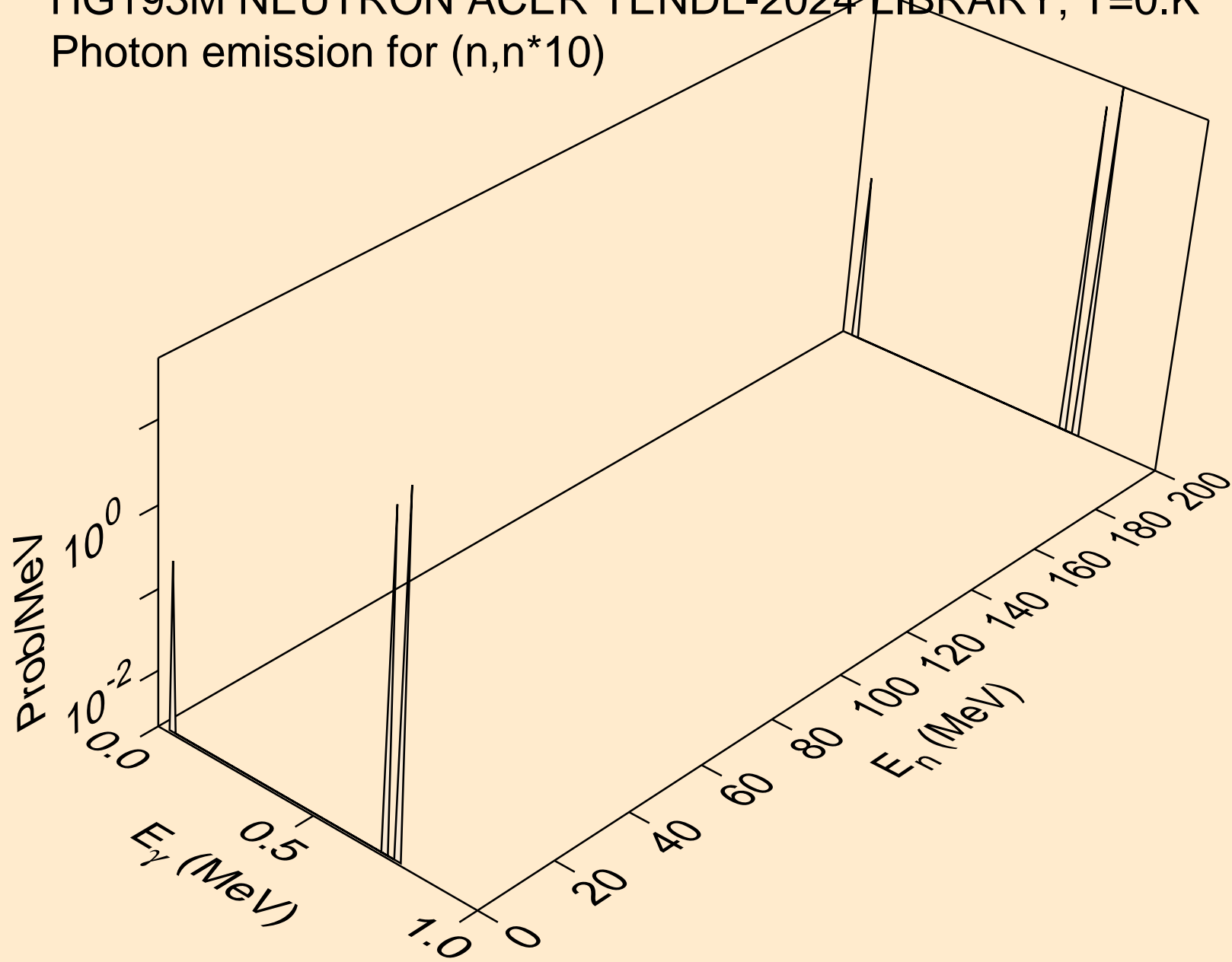
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Photon emission for (n,n\*8)



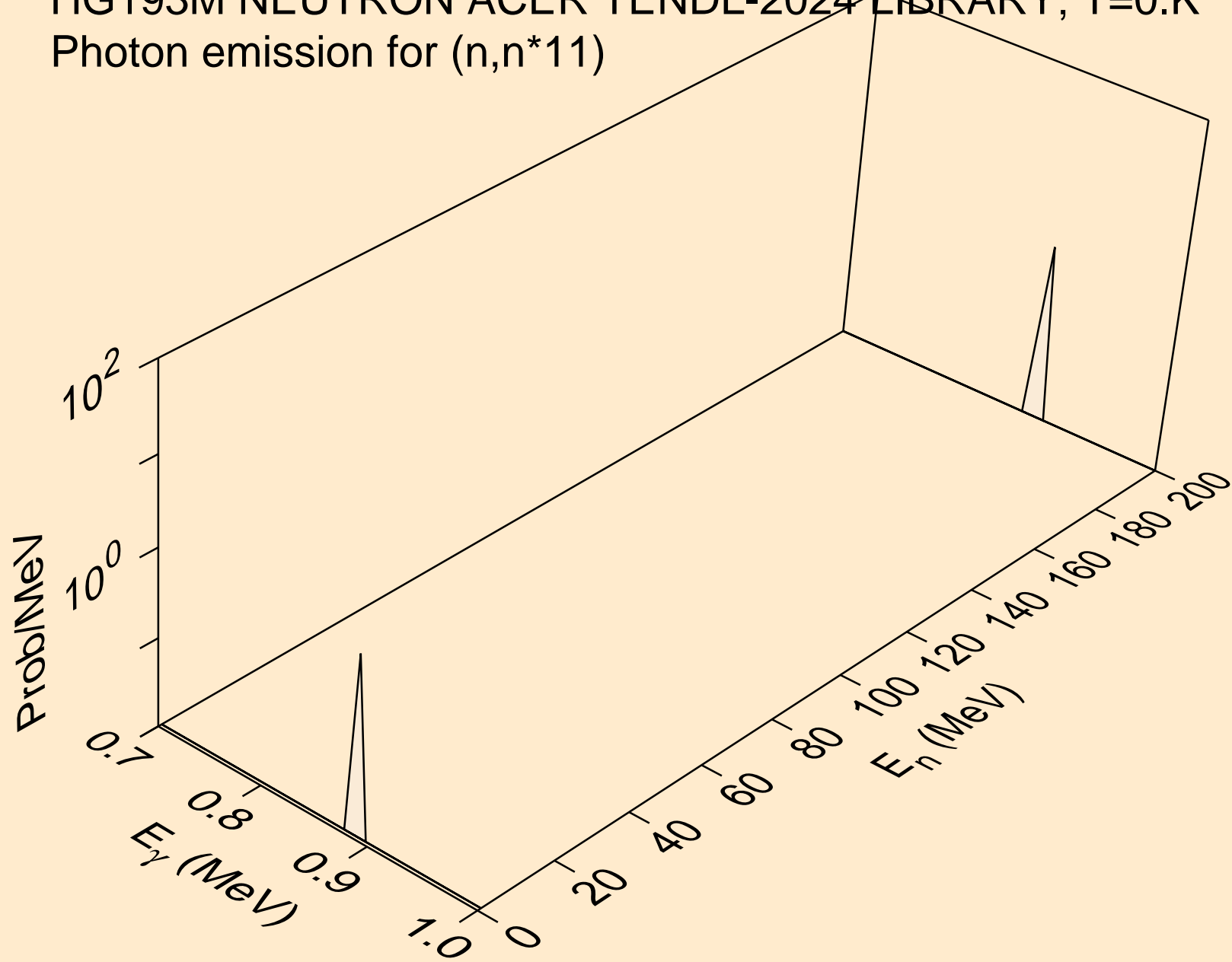
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Photon emission for (n,n\*9)



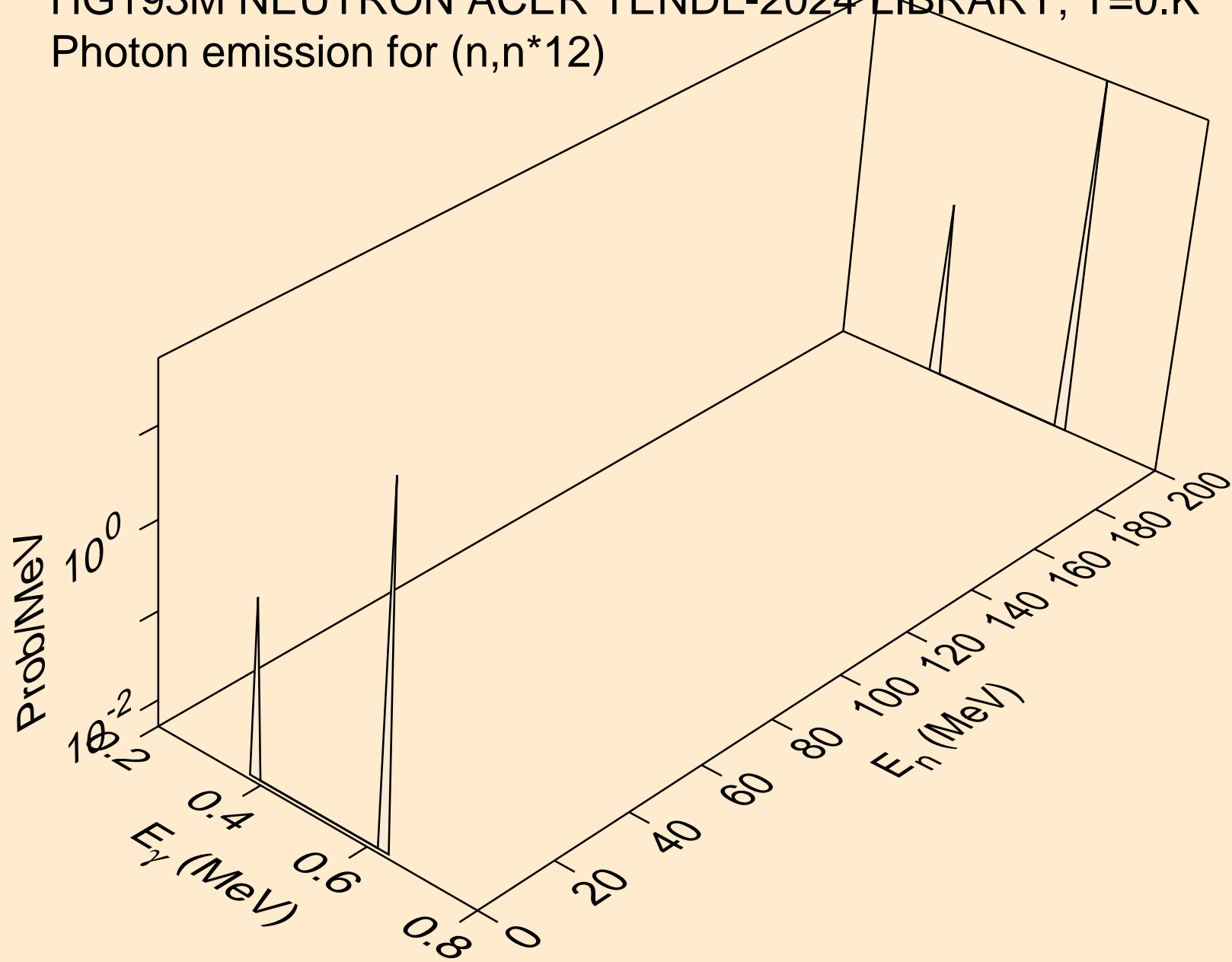
HG193M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,n\*10)



HG193M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,n\*11)

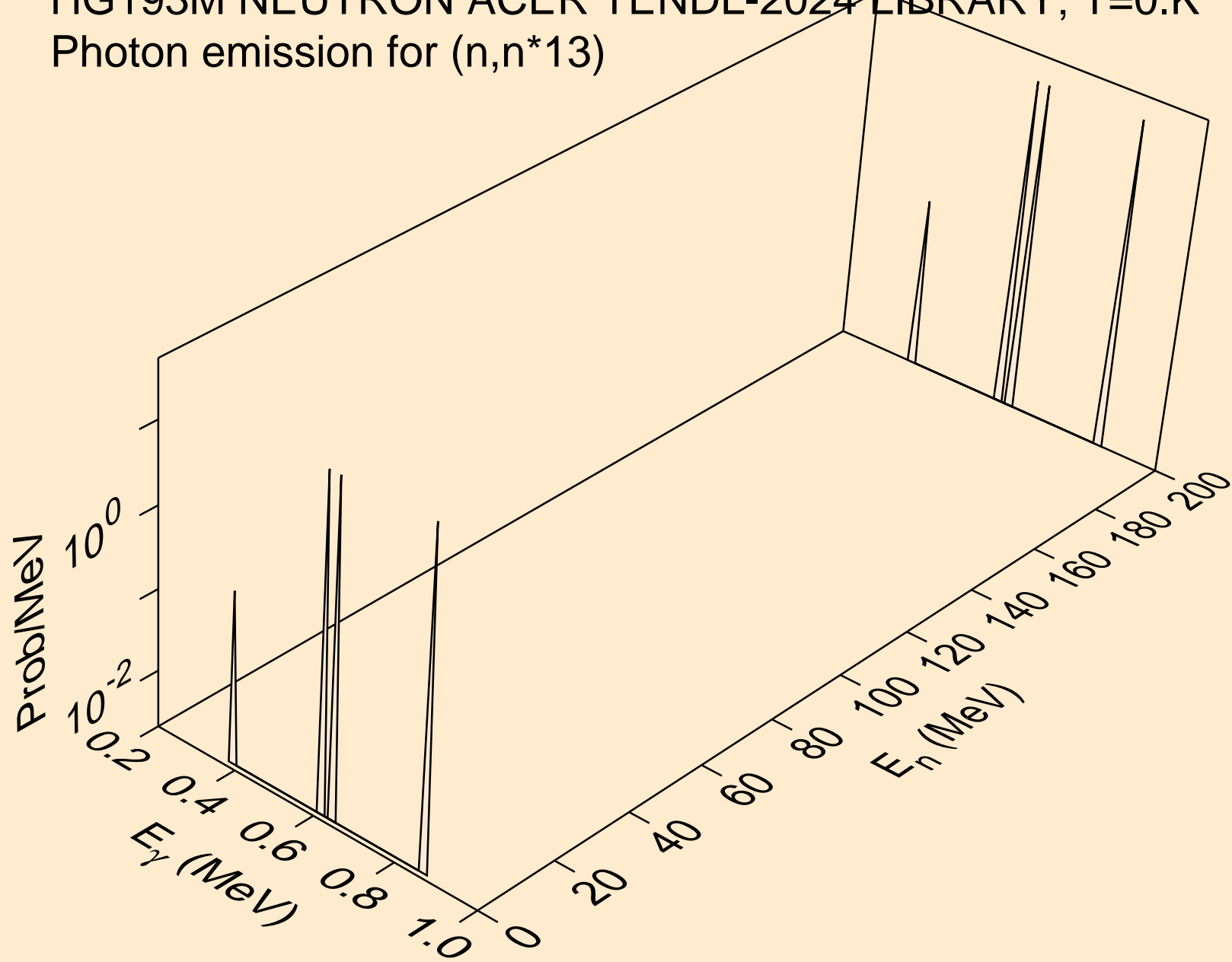


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Photon emission for (n,n\*12)

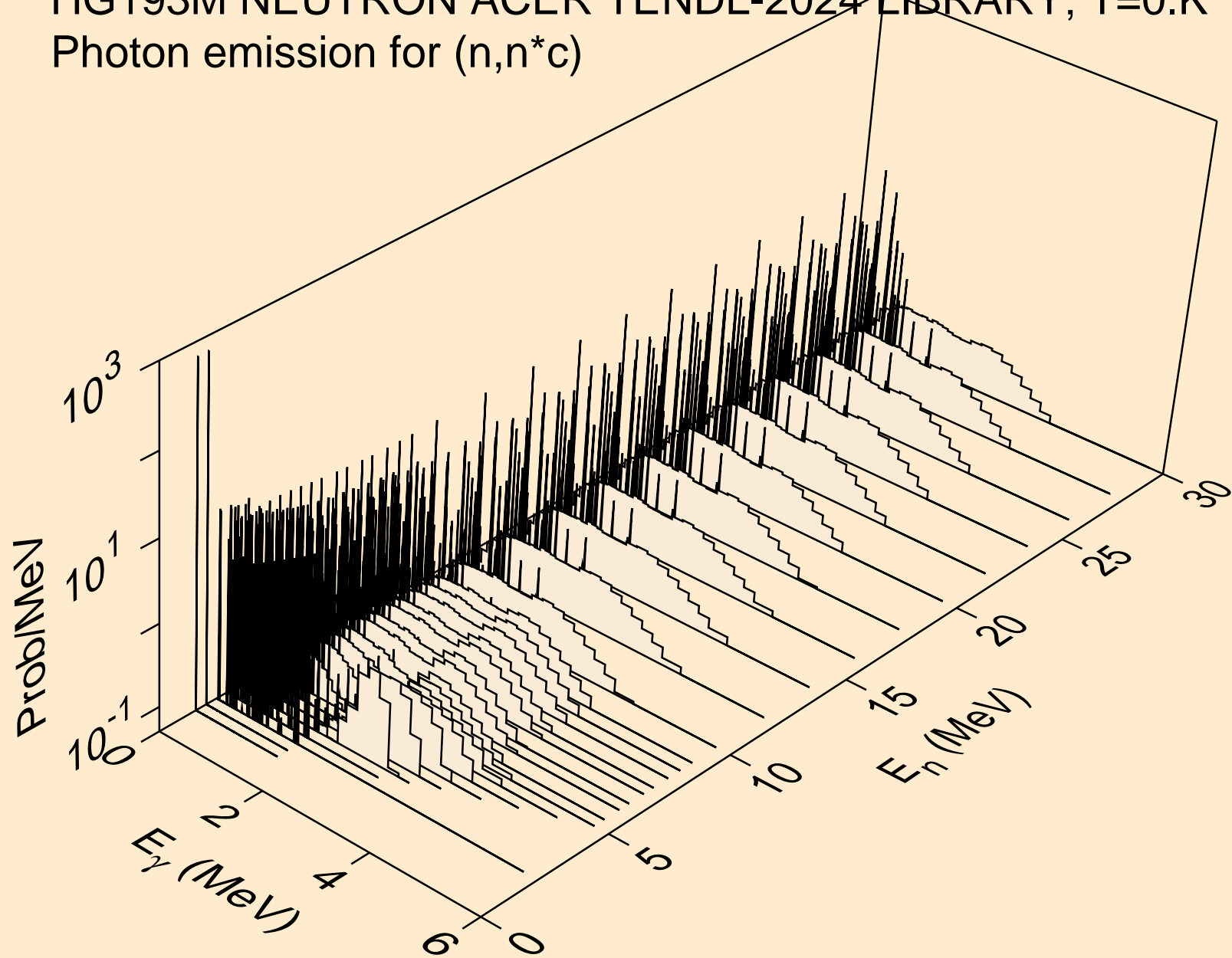




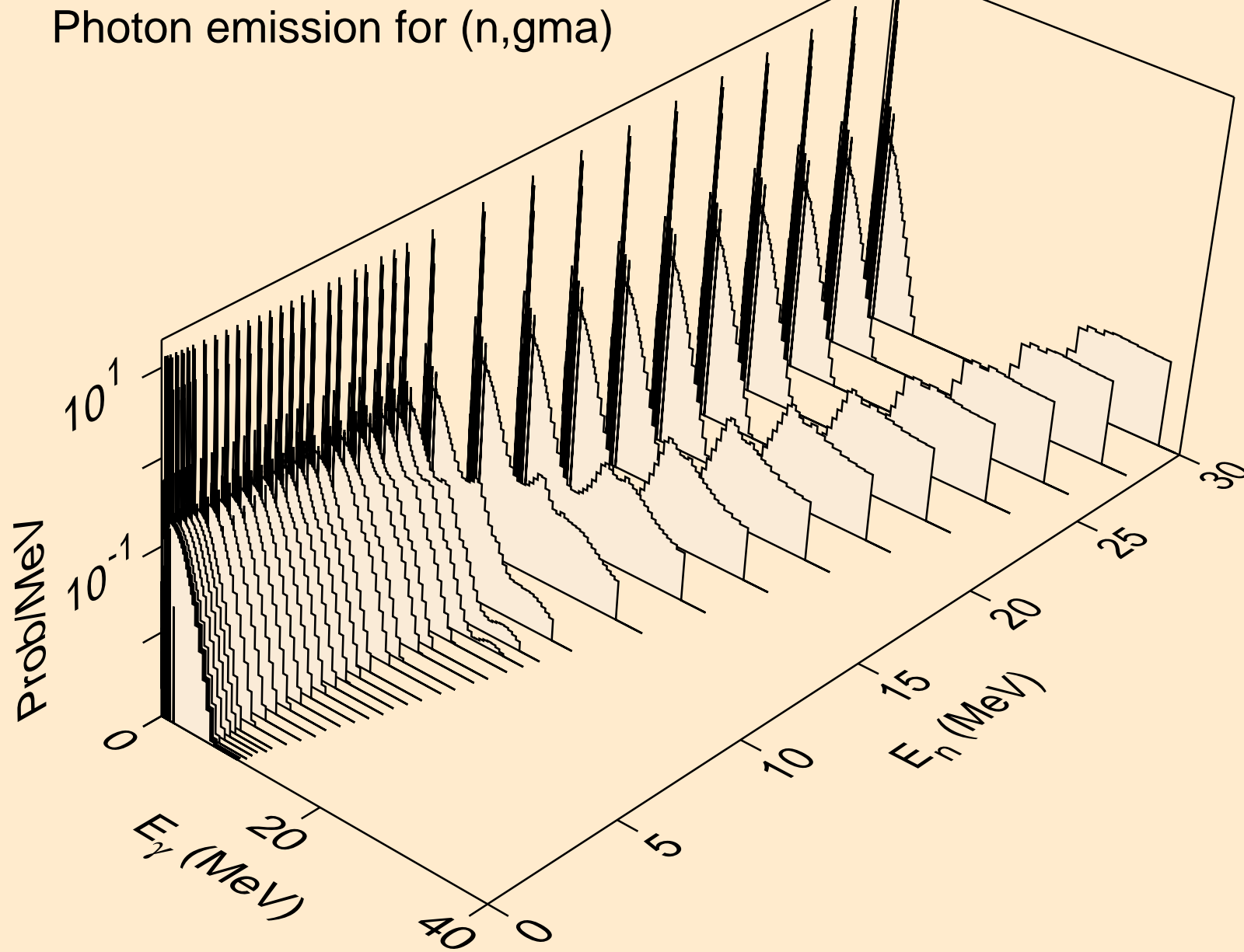
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Photon emission for (n,n\*13)



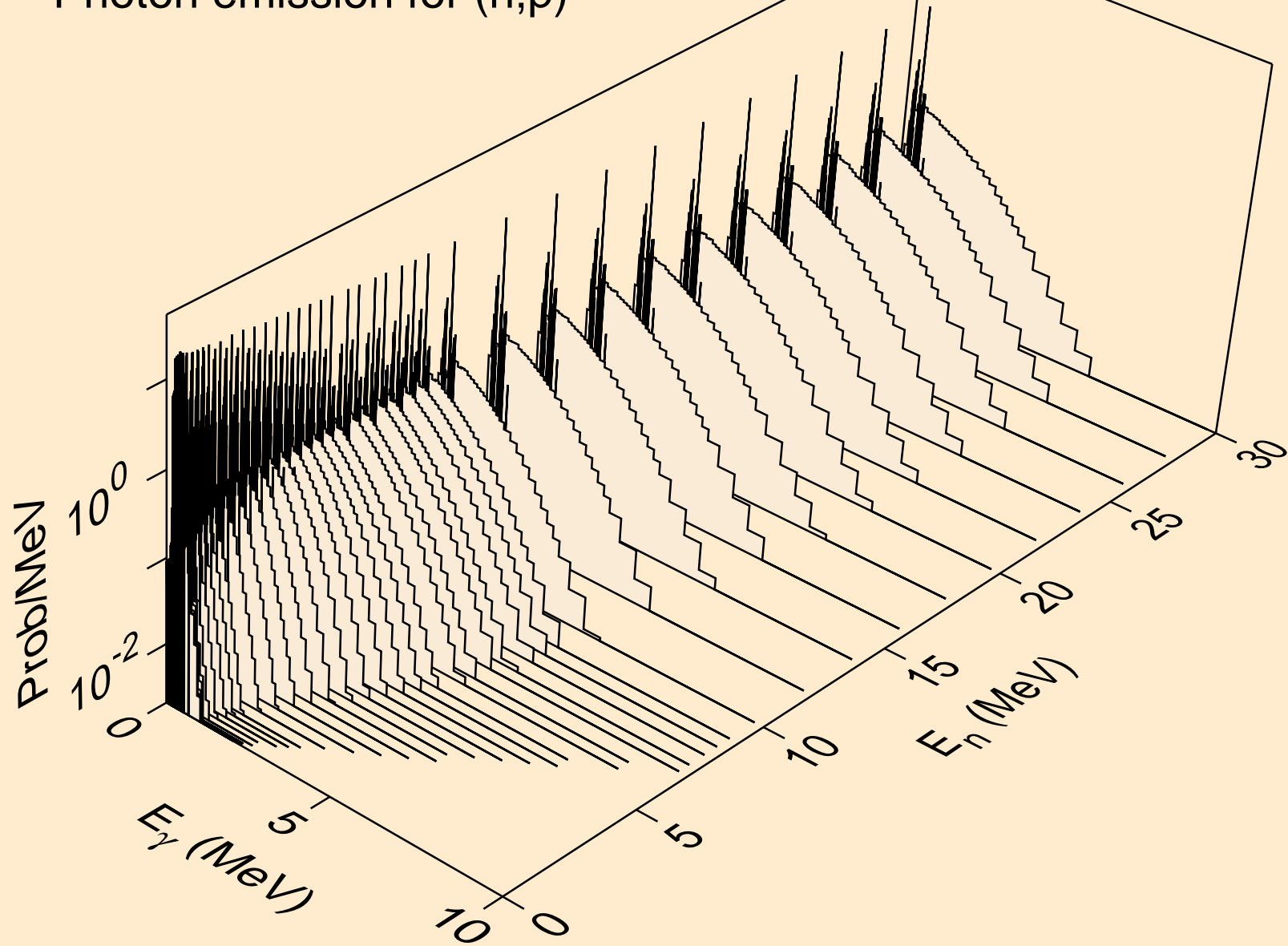
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Photon emission for (n,n\*c)



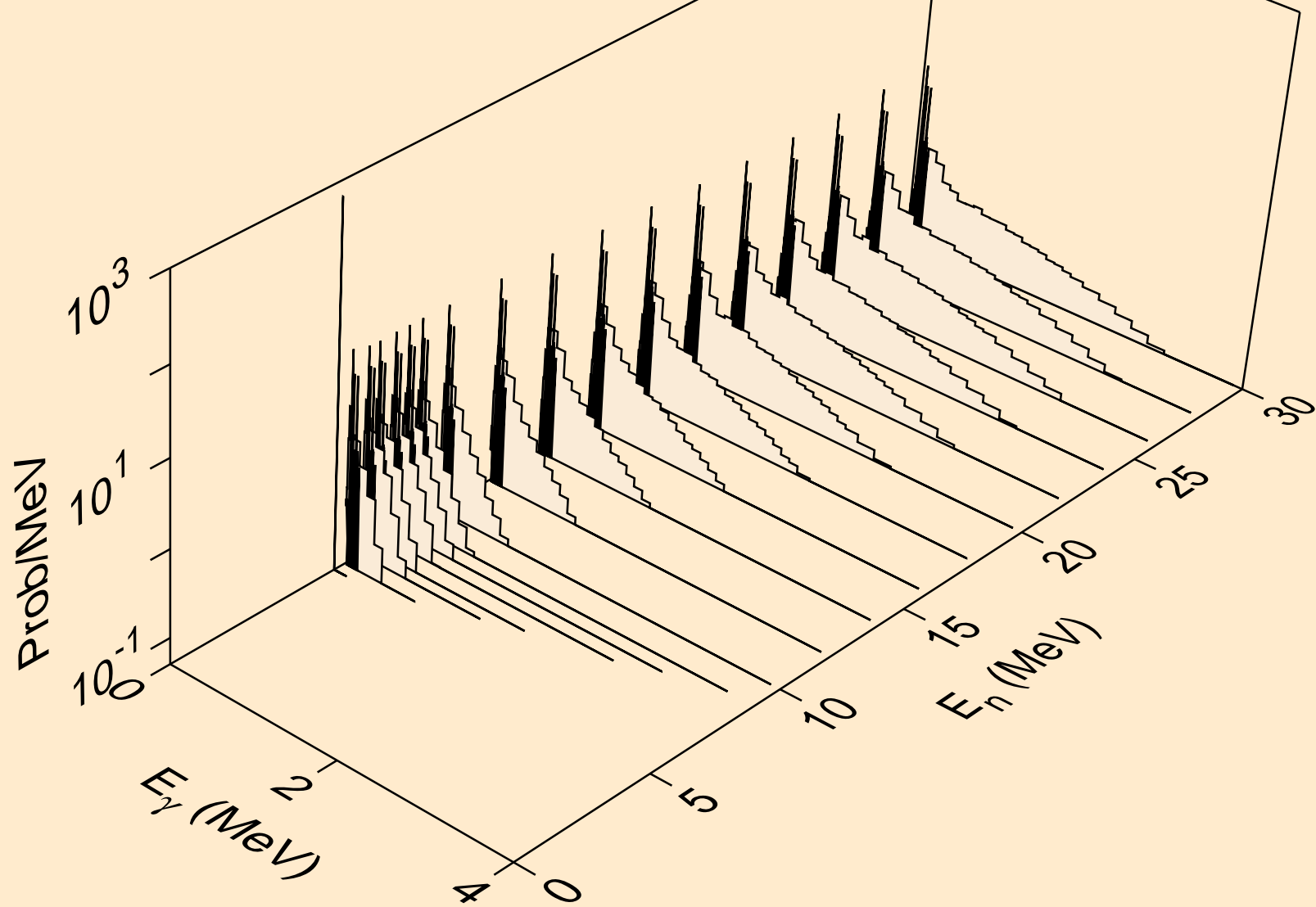
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Photon emission for (n,gma)



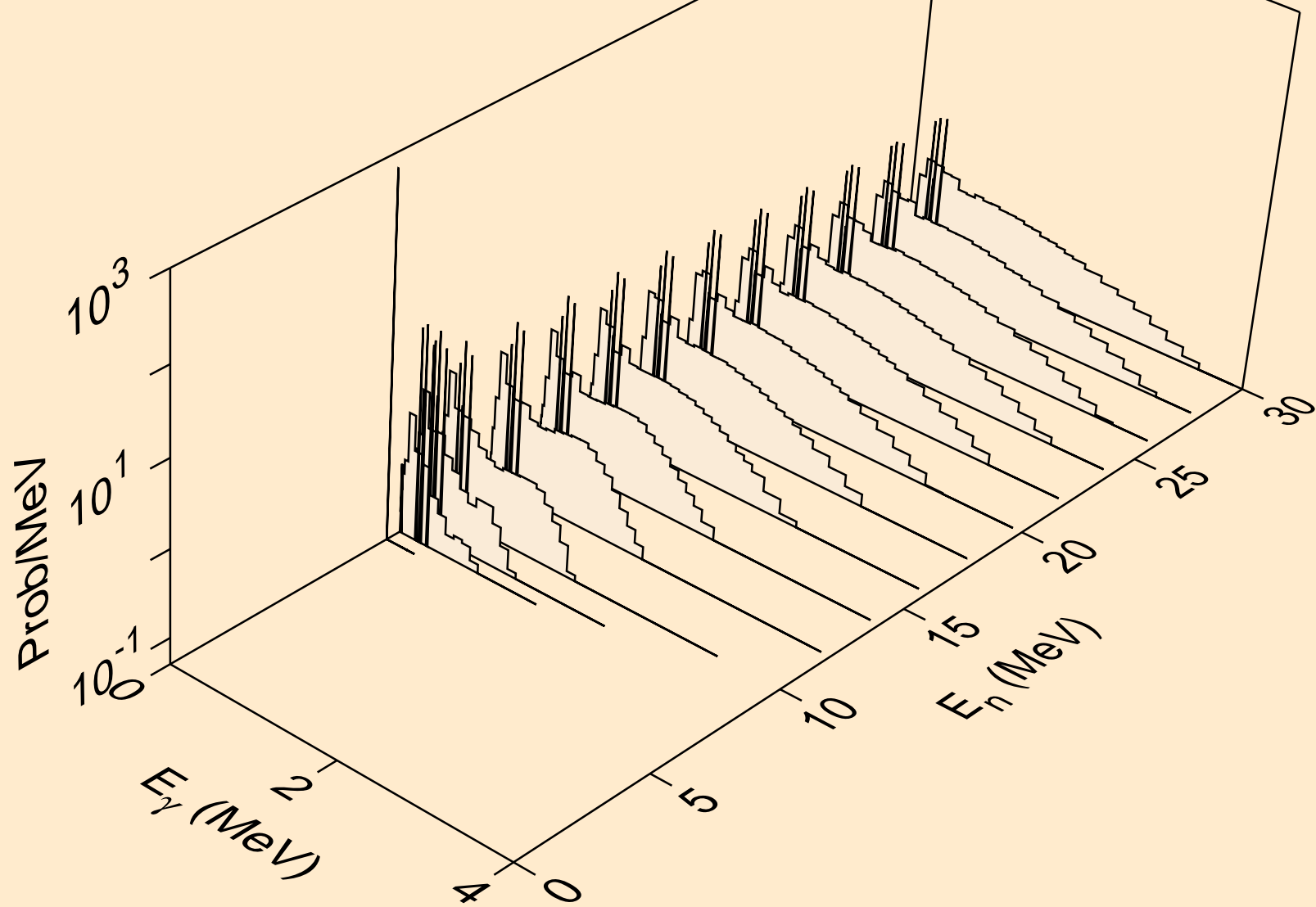
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Photon emission for (n,p)



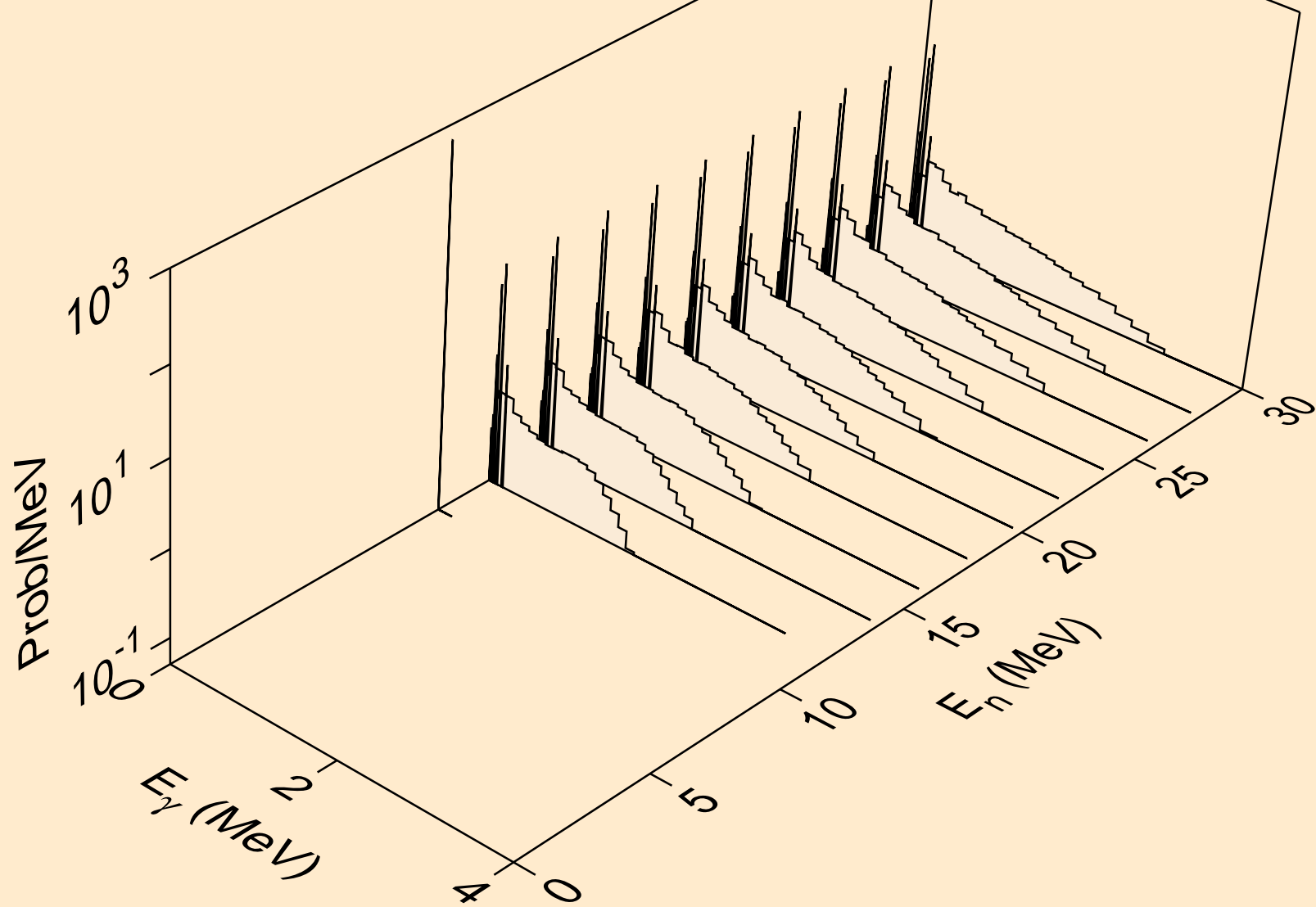
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Photon emission for (n,d)



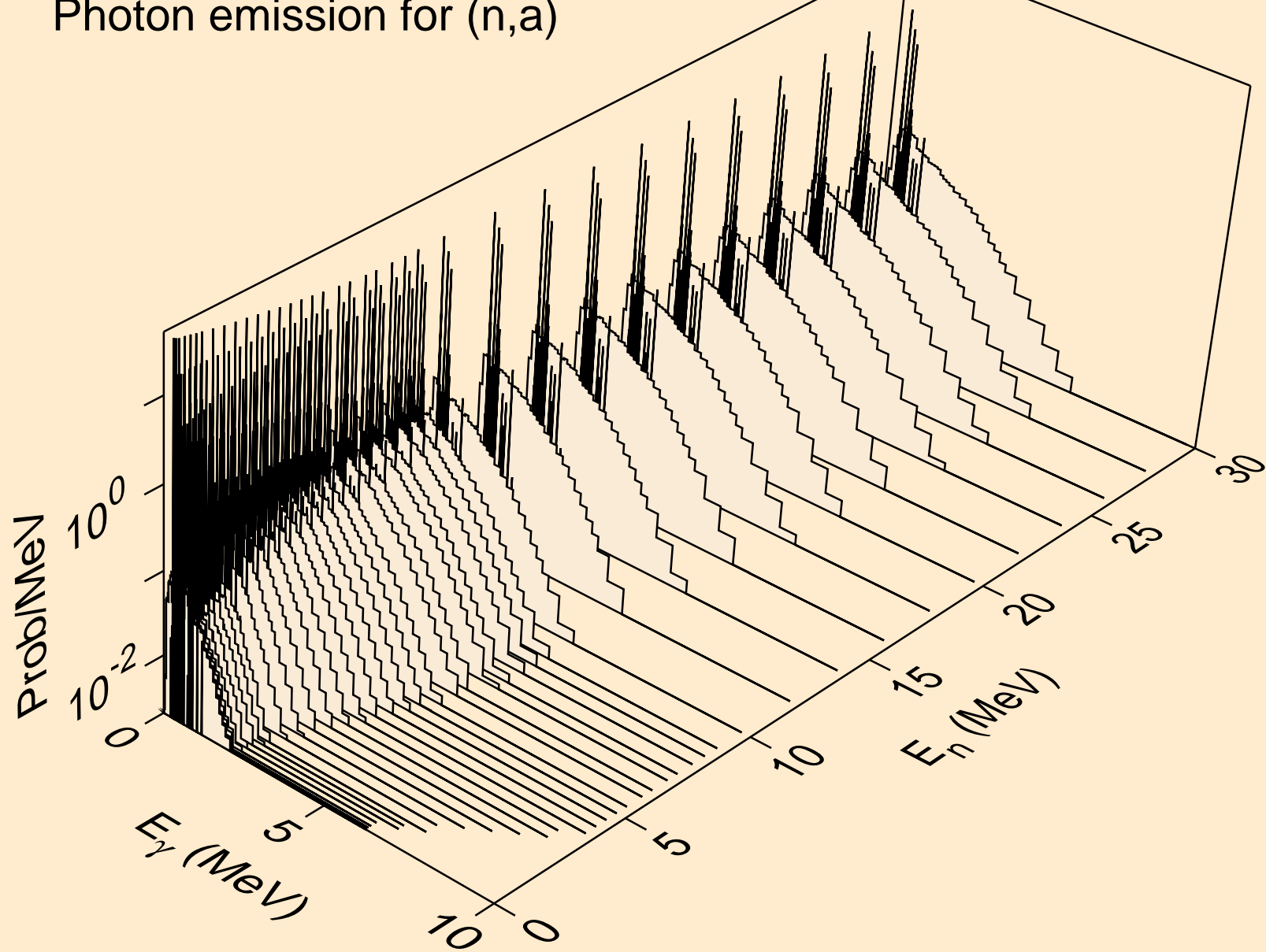
HG193M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,t)



HG193M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,he3)

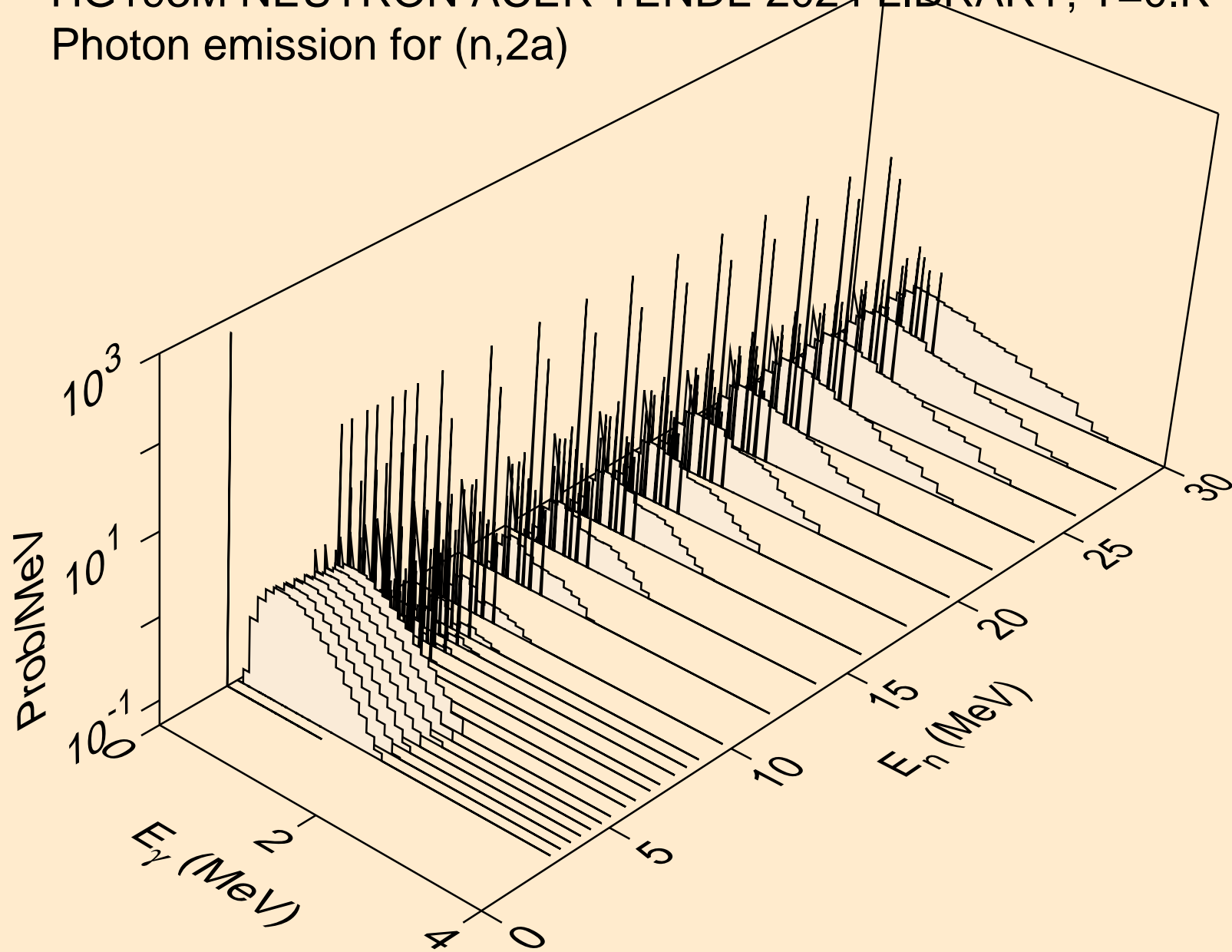


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Photon emission for (n,a)

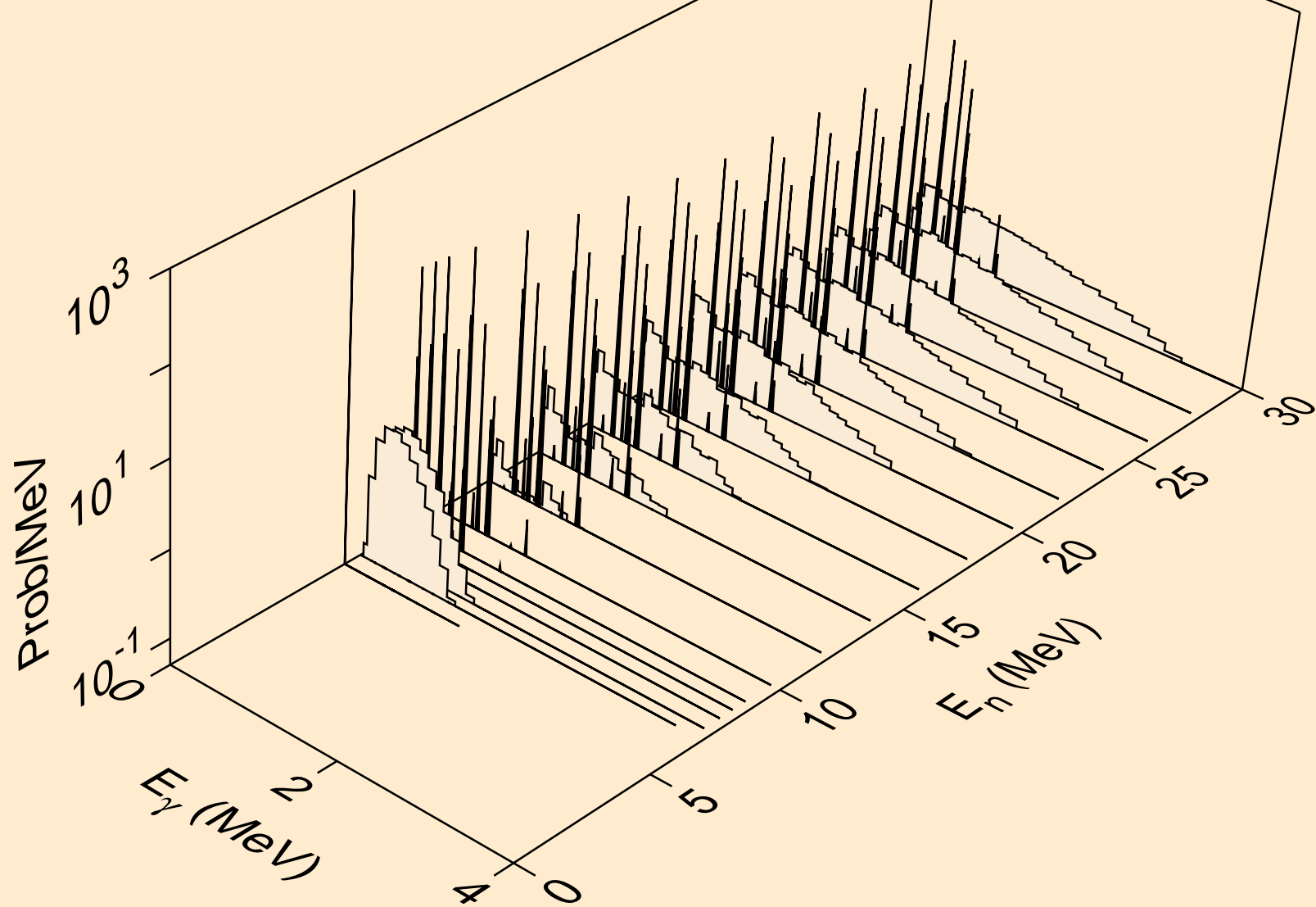




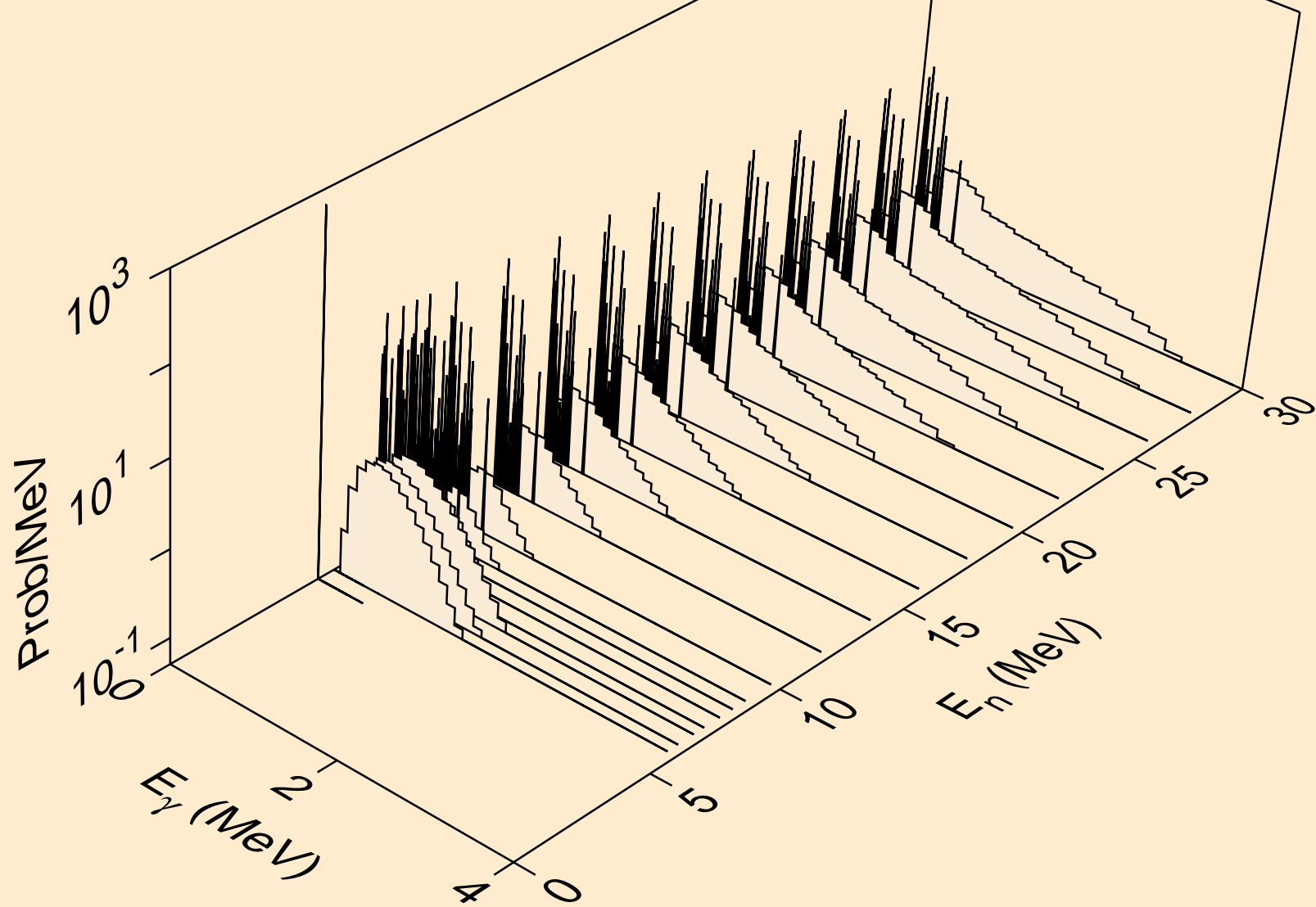
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Photon emission for (n,2a)



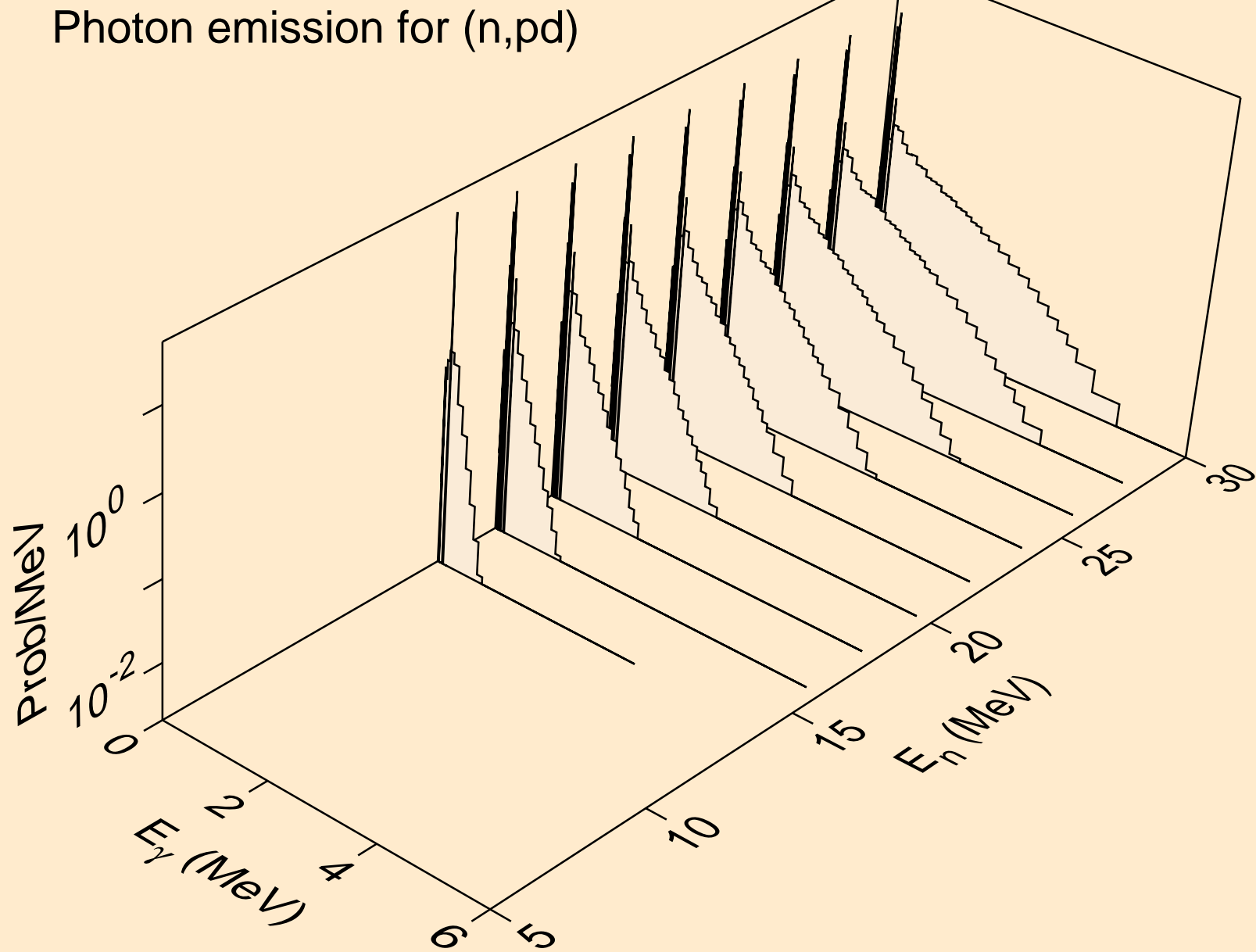
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Photon emission for (n,2p)



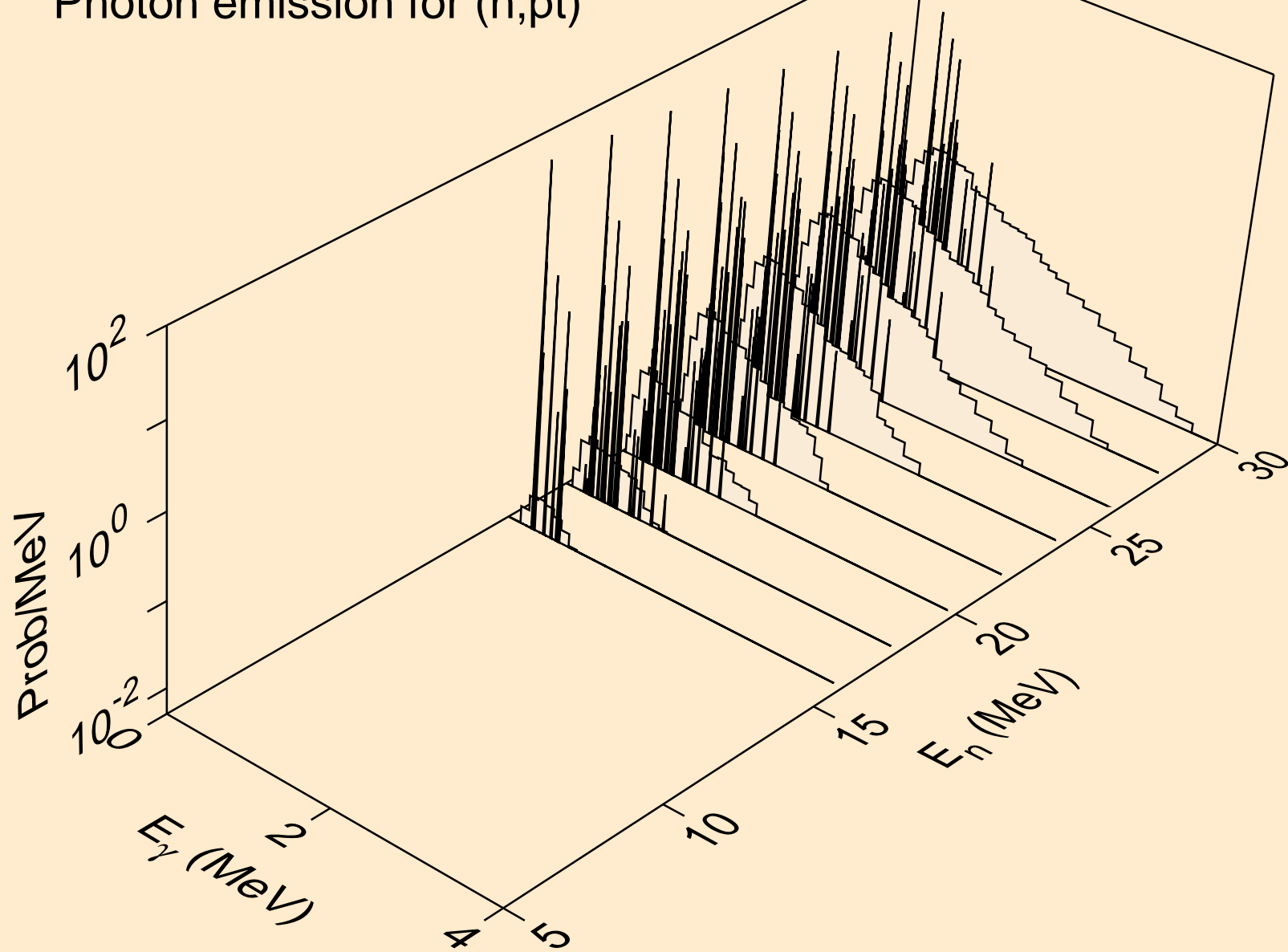
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Photon emission for (n,p)



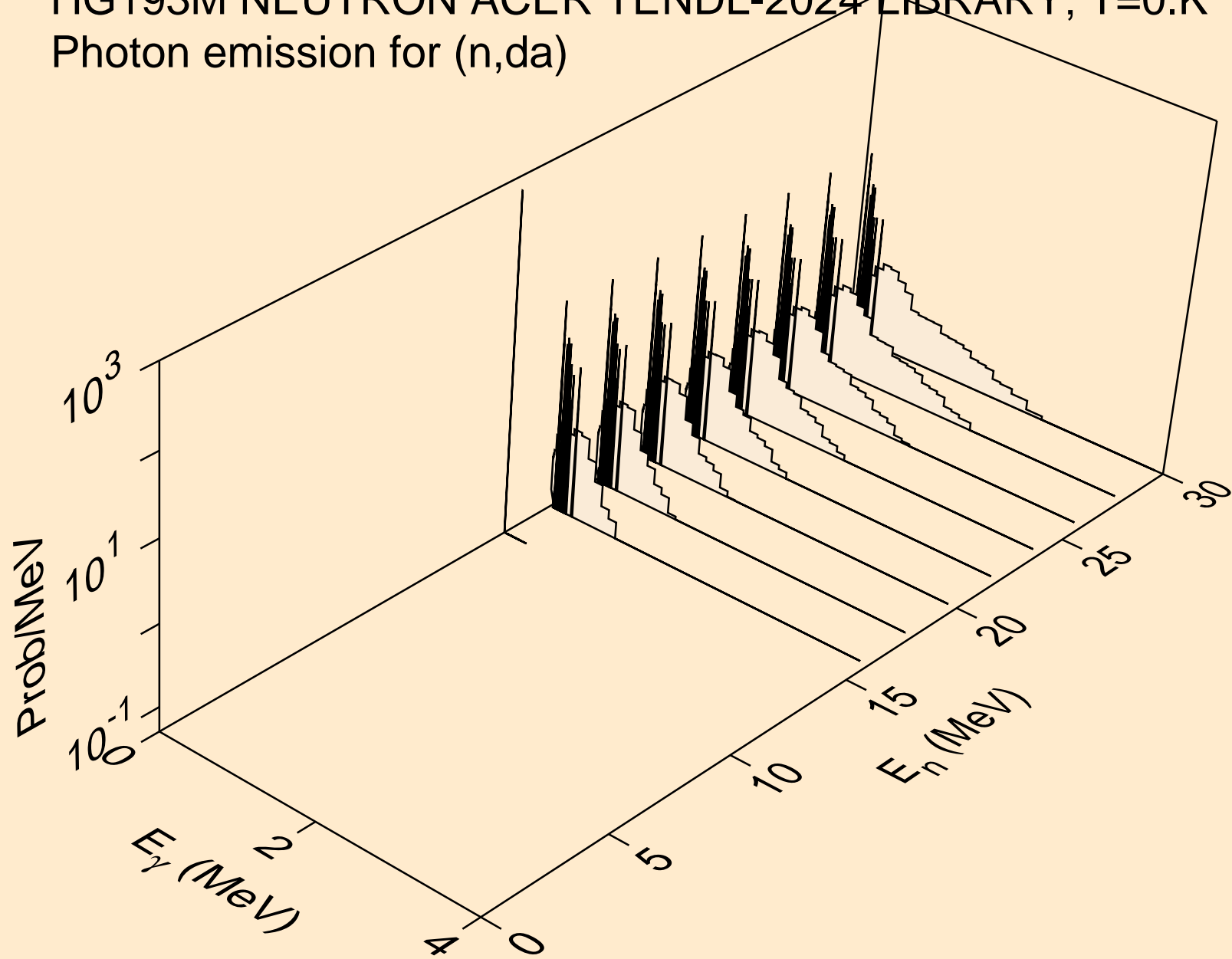
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Photon emission for (n,pd)



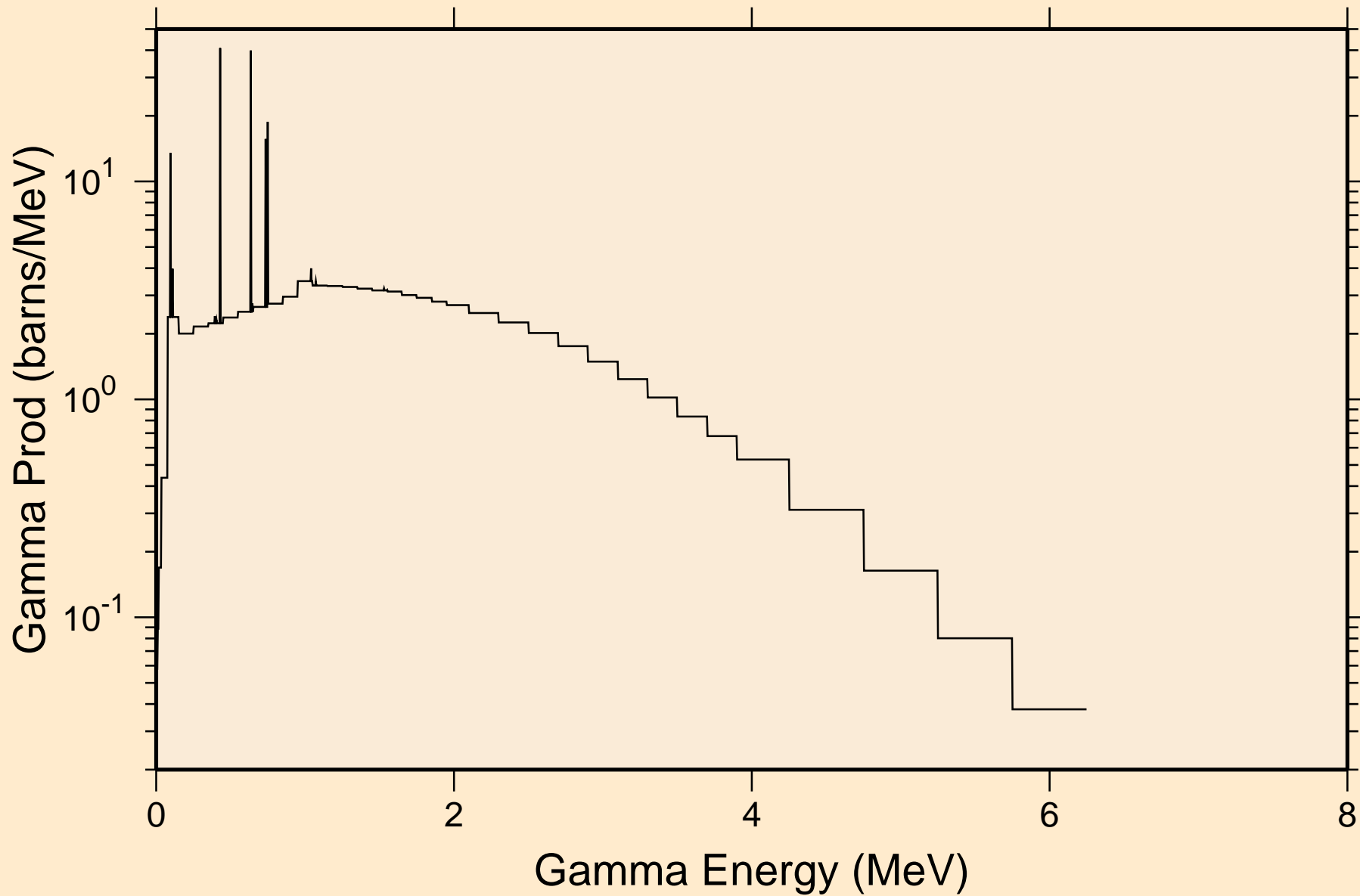
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Photon emission for (n,pt)



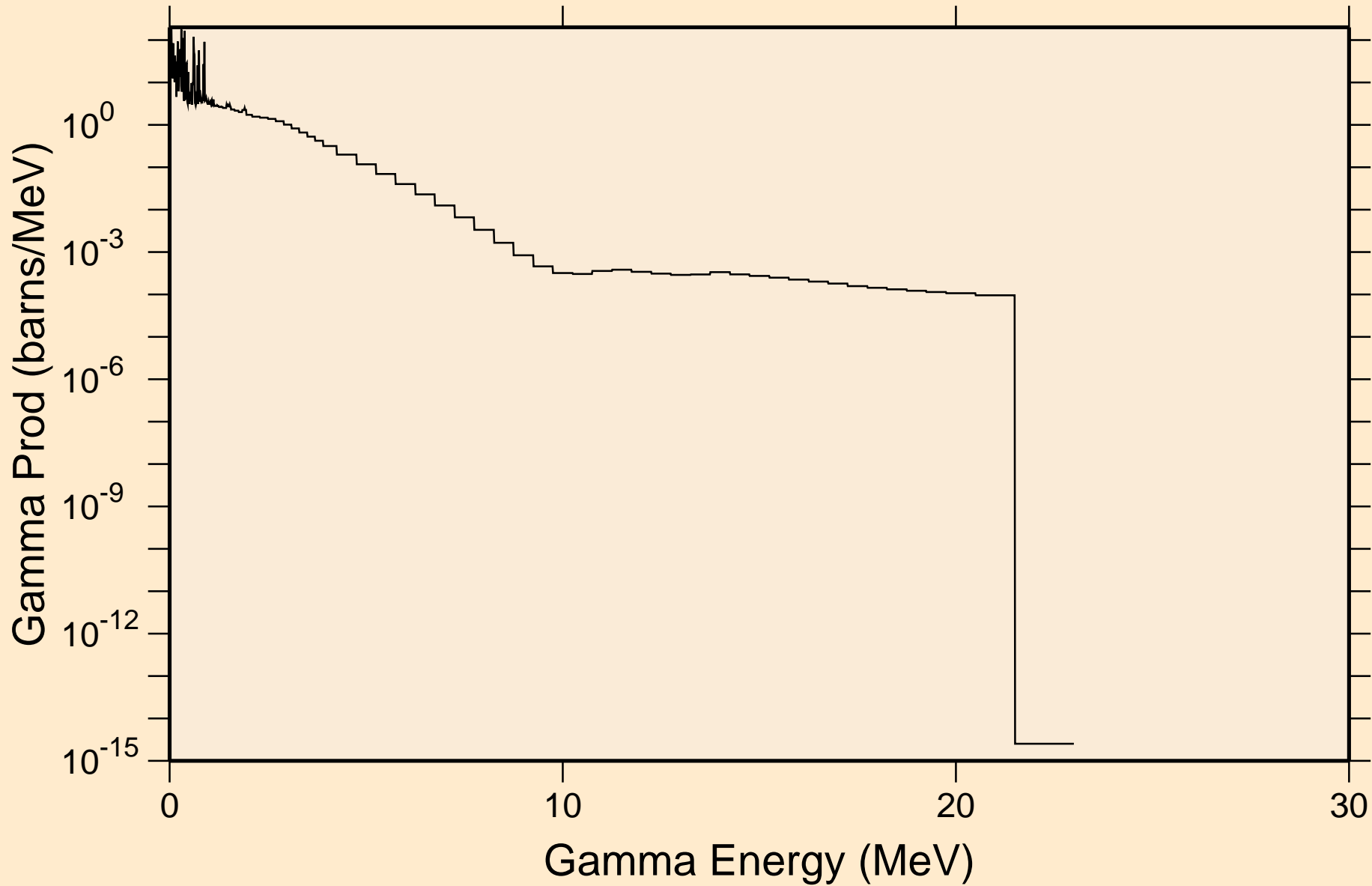
HG193M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,da)



HG193M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
thermal capture photon spectrum



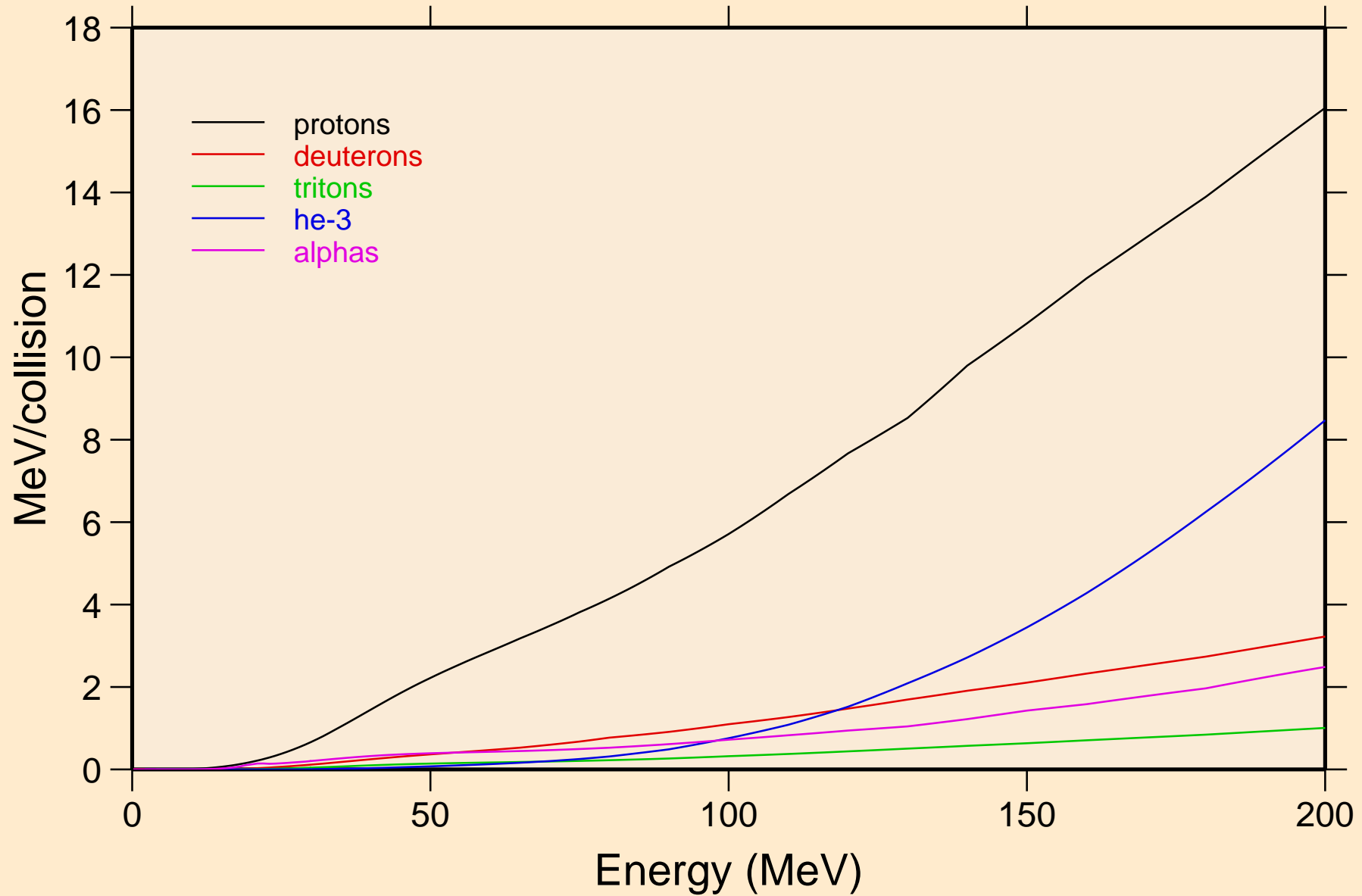
HG193M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
14 MeV photon spectrum





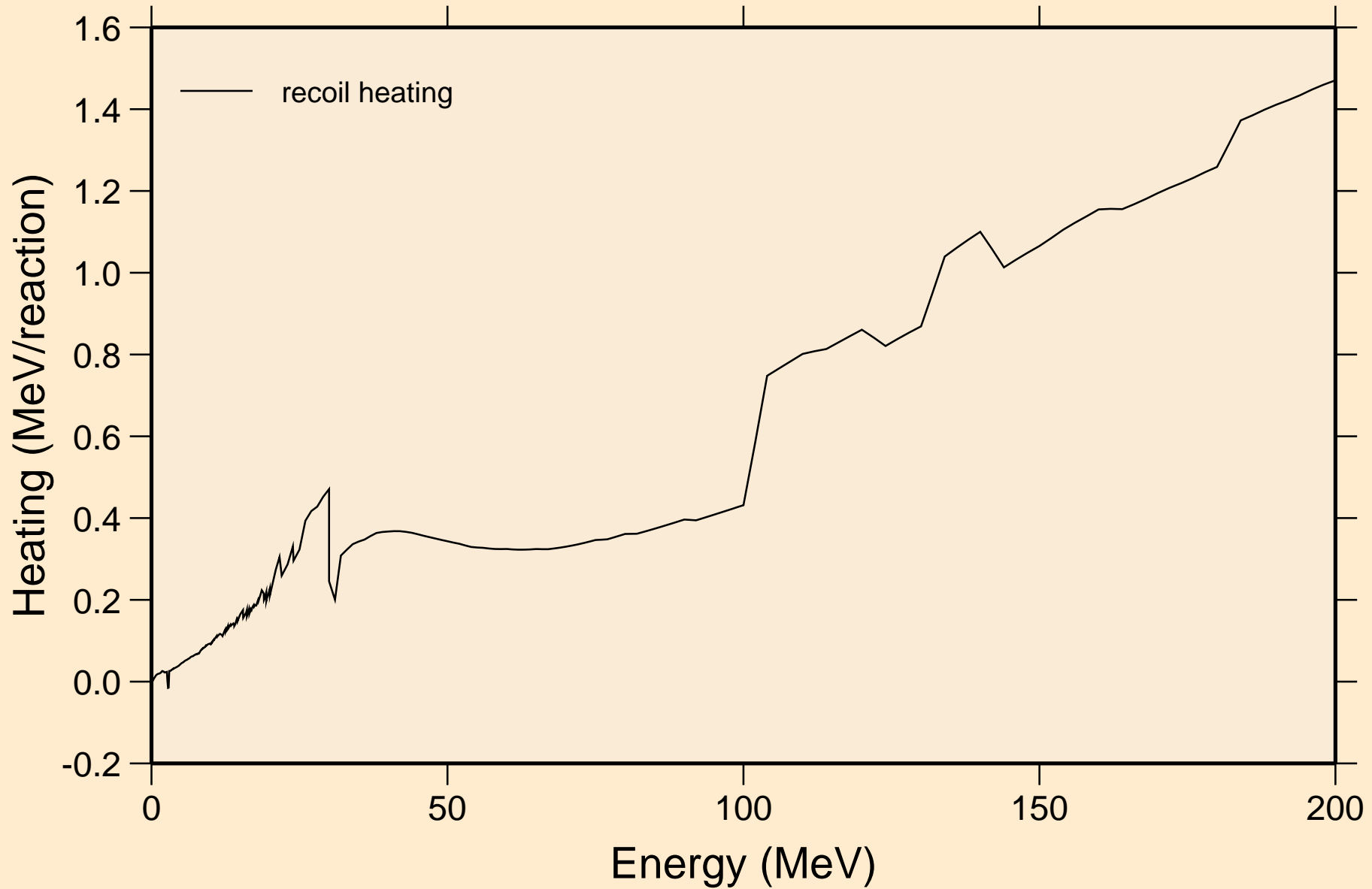
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## Particle heating contributions



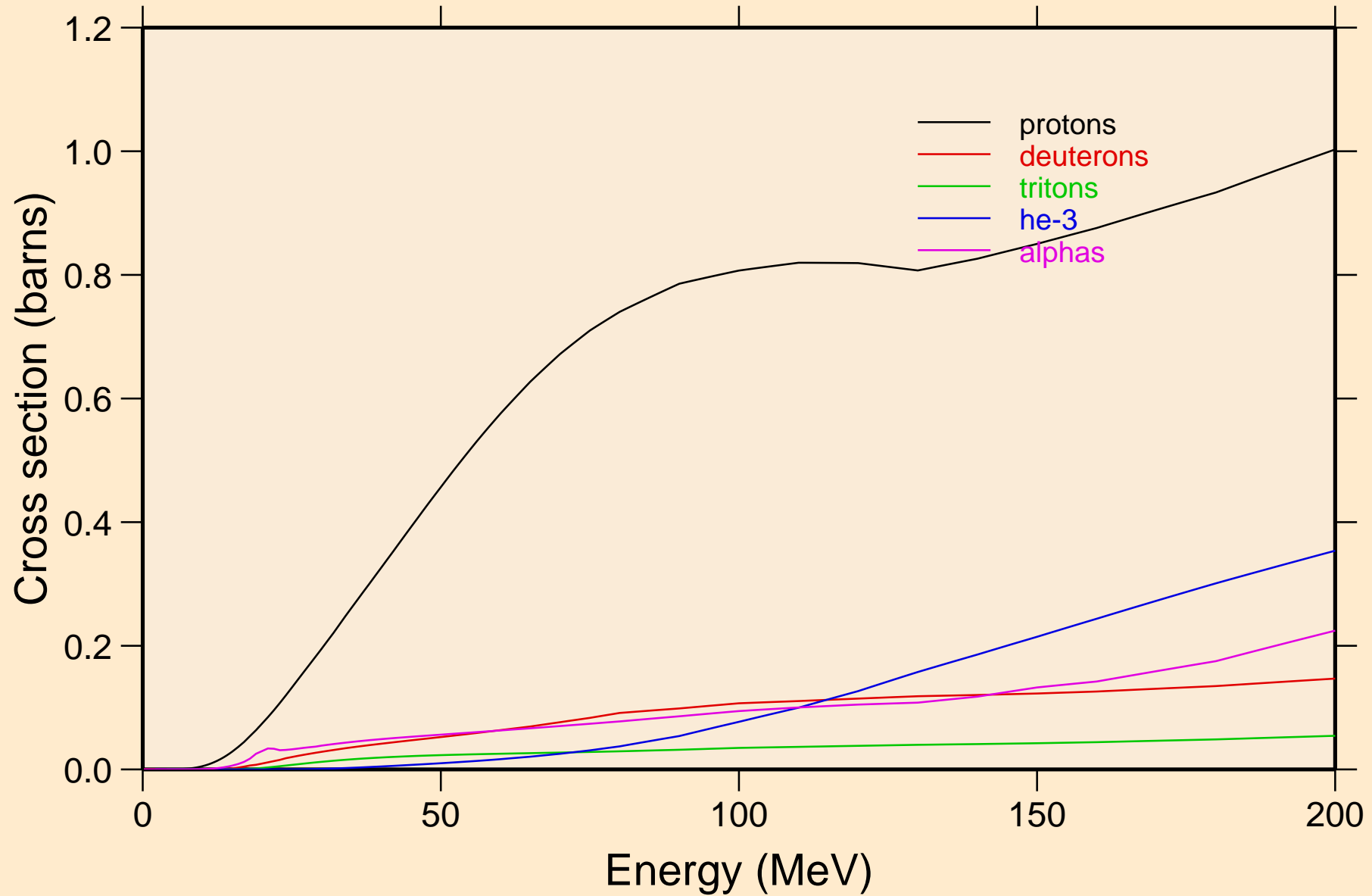
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## Recoil Heating

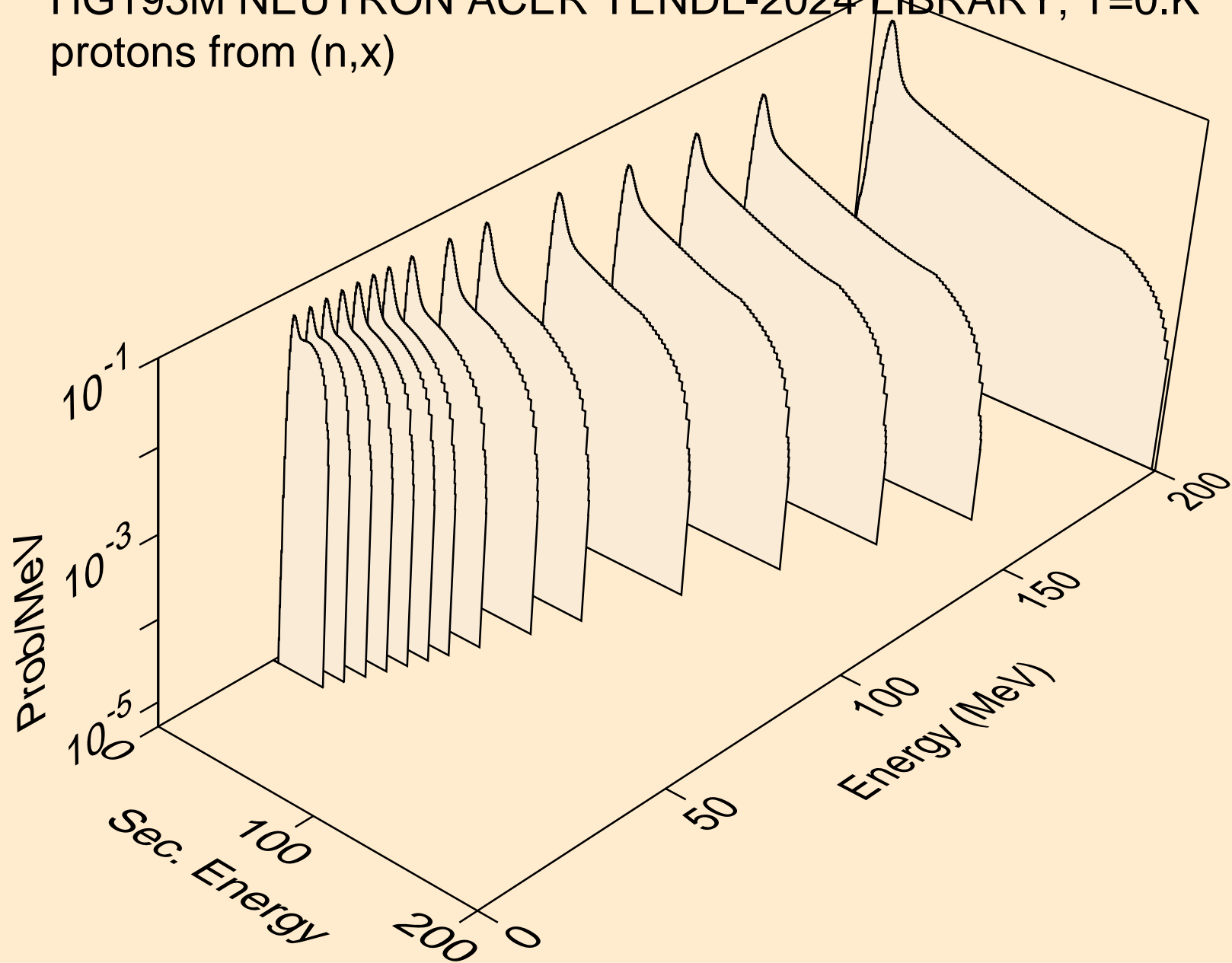


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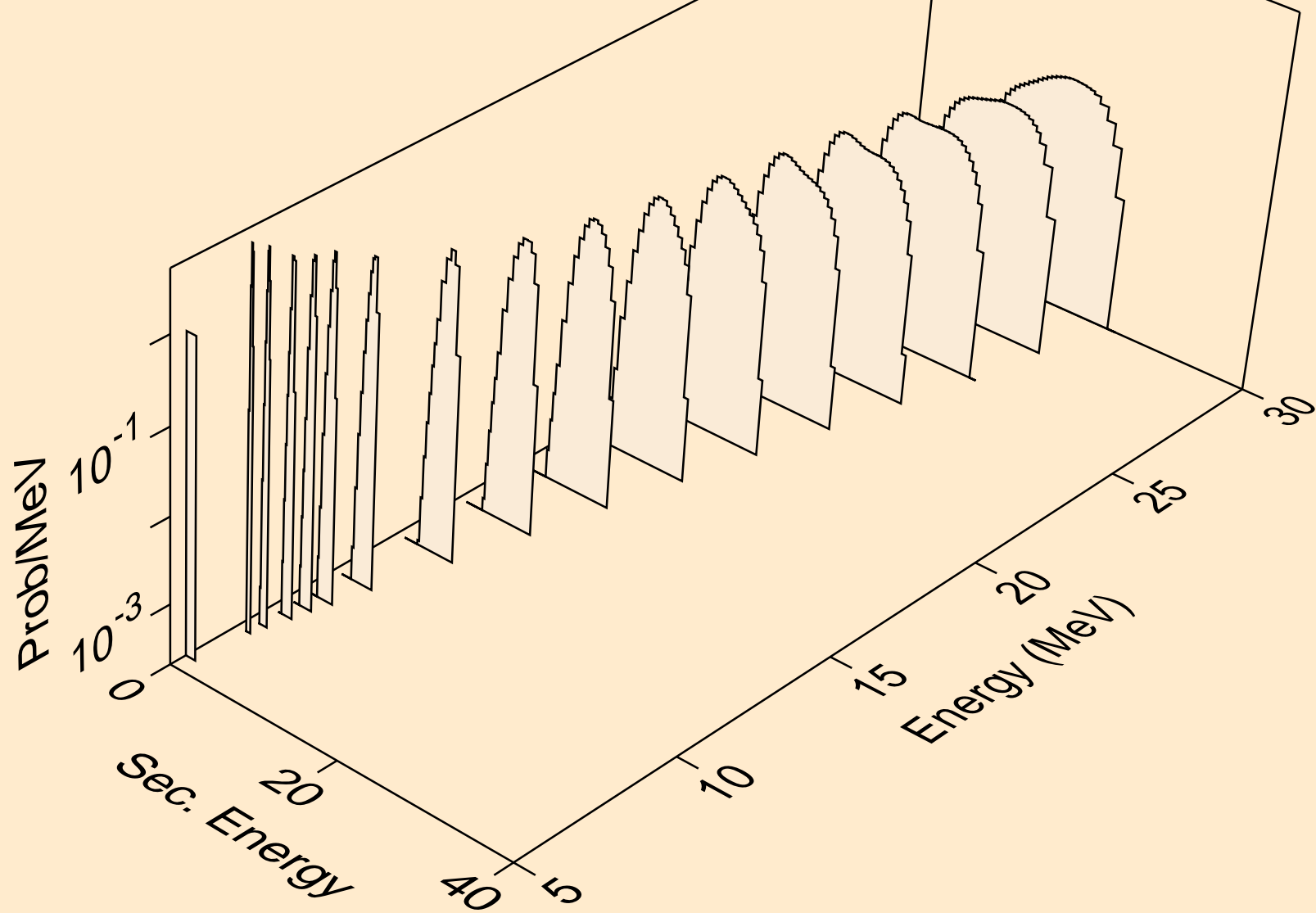
## Particle production cross sections



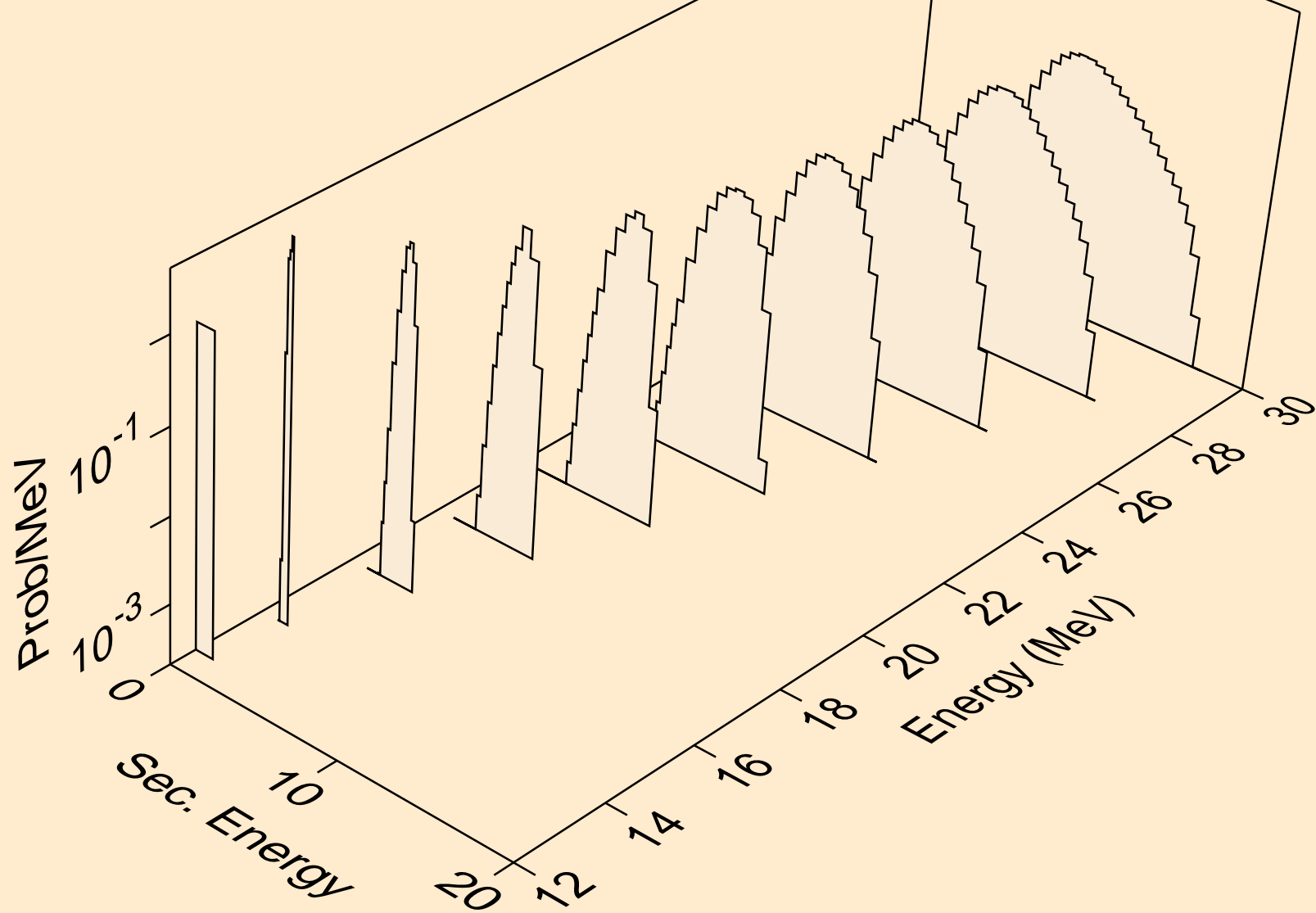
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protons from (n,x)



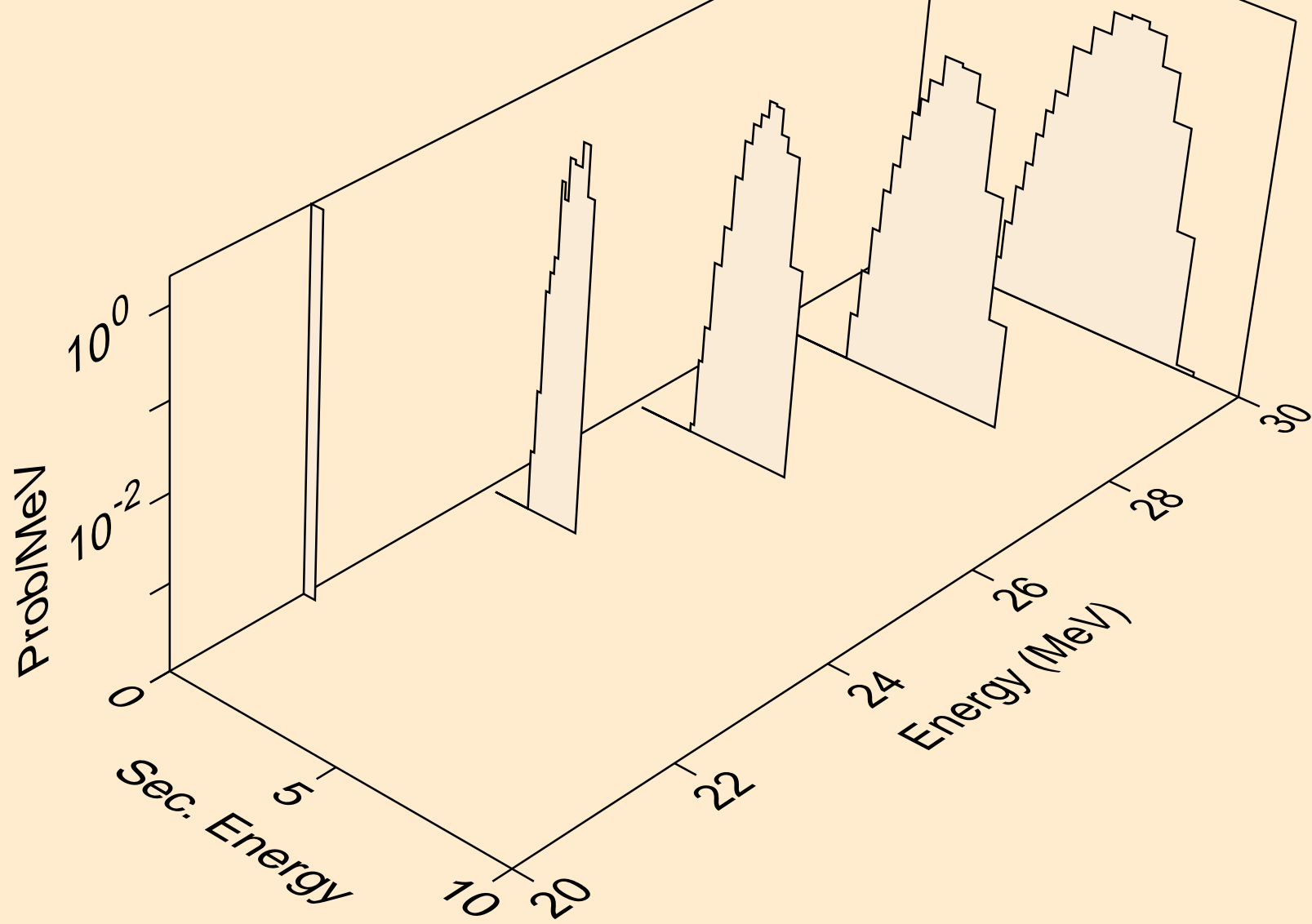
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protons from (n,n\*)p



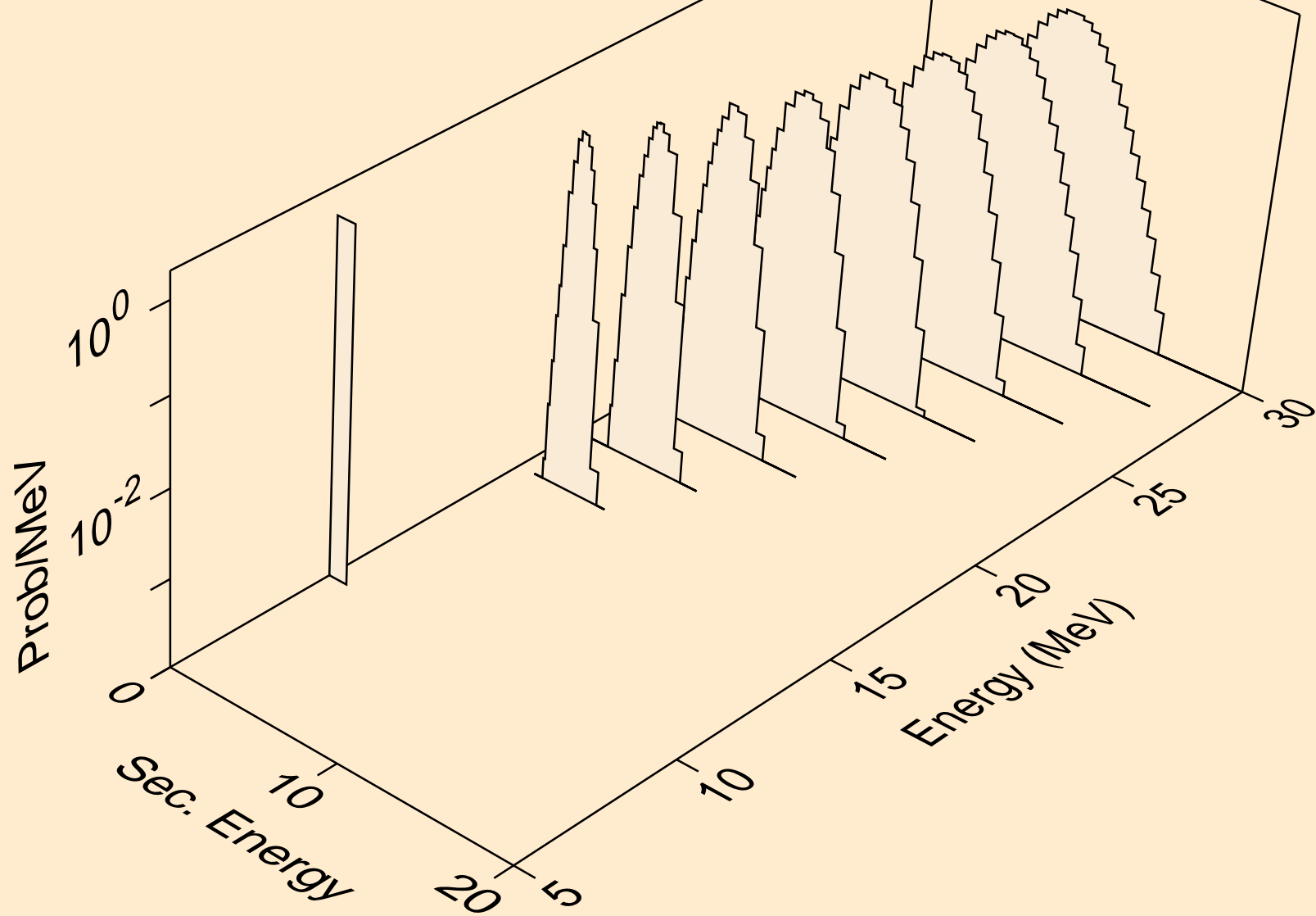
HG193M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
protons from (n,2np)



HG193M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
protons from (n,3np)

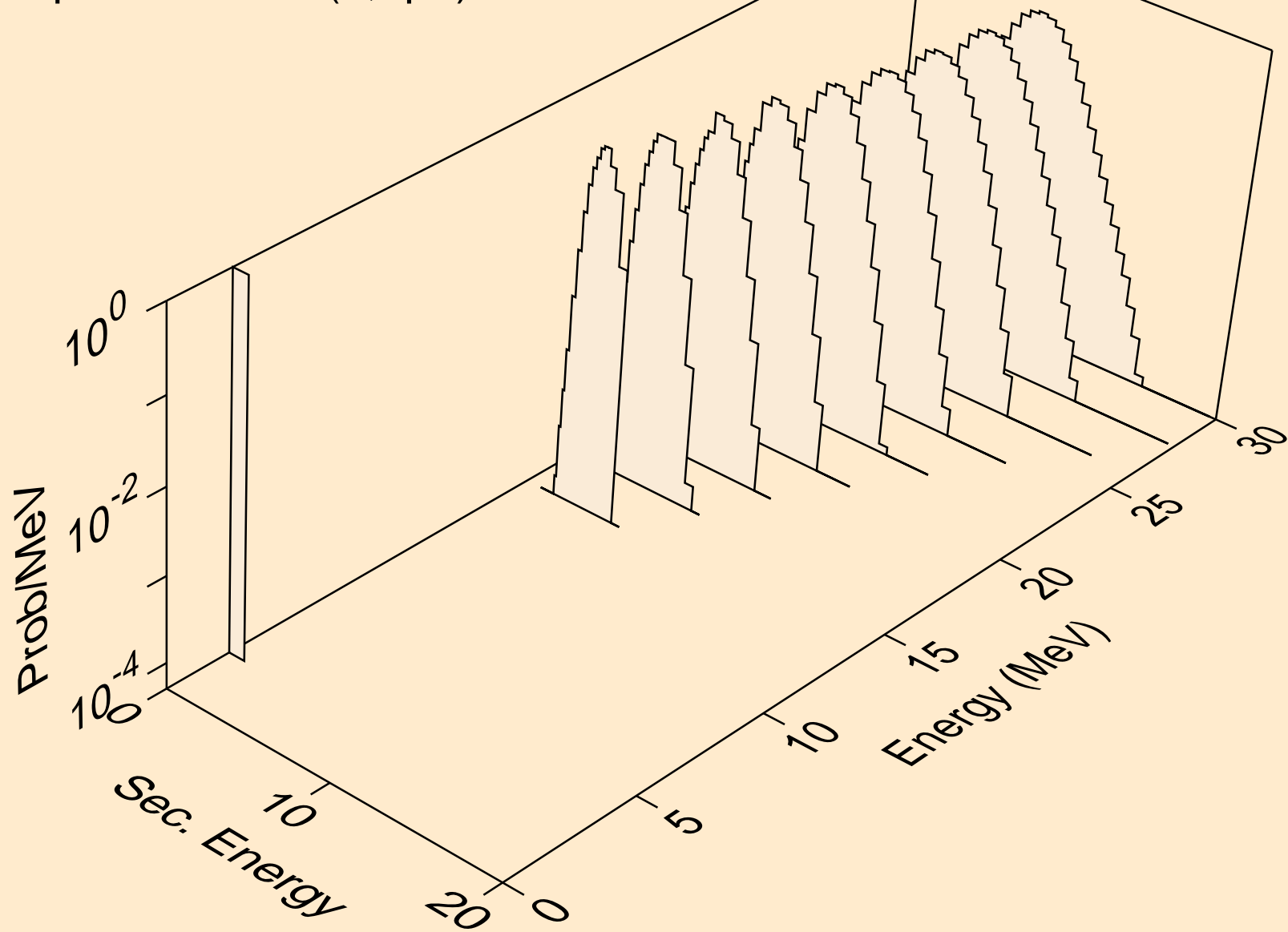


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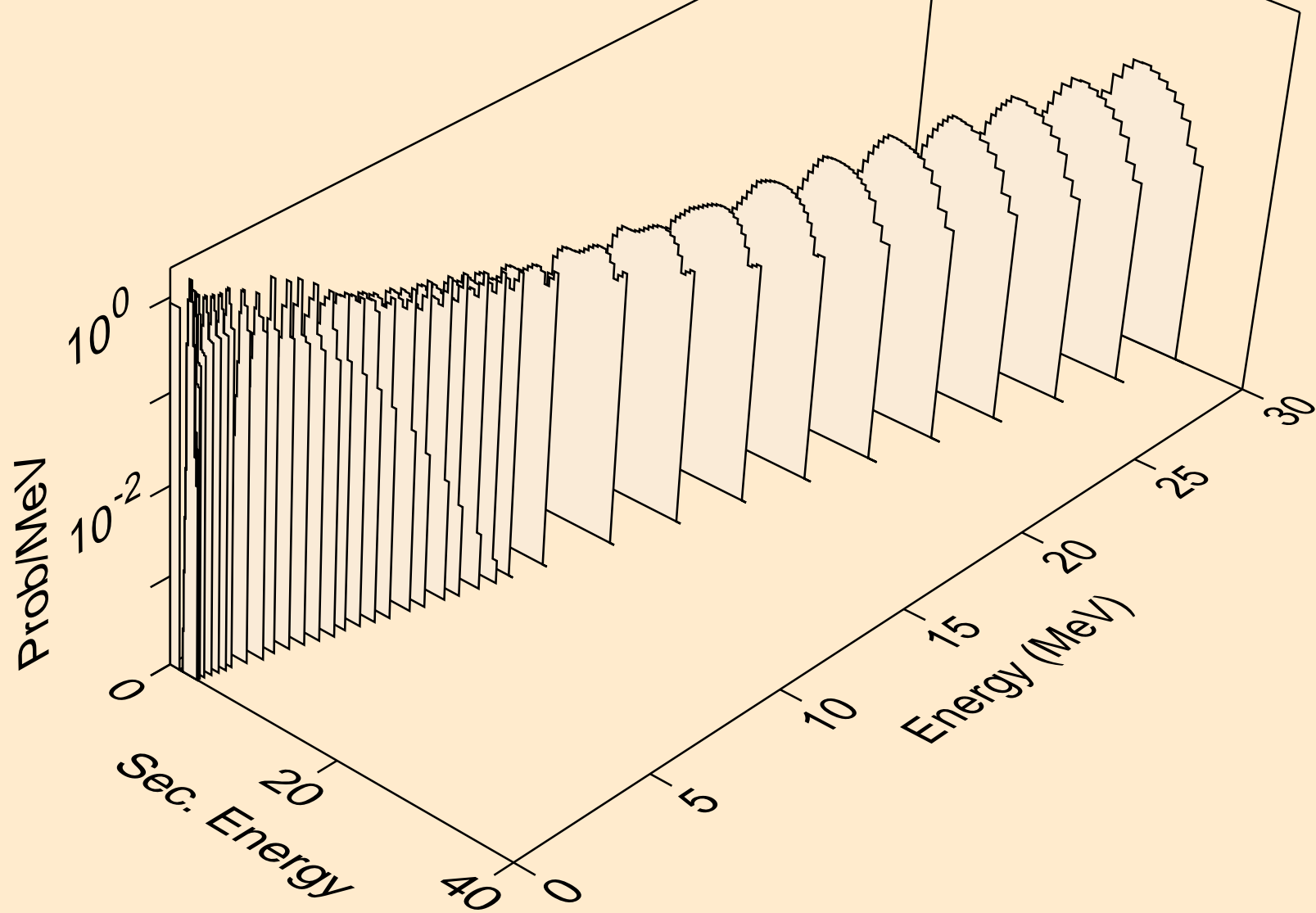




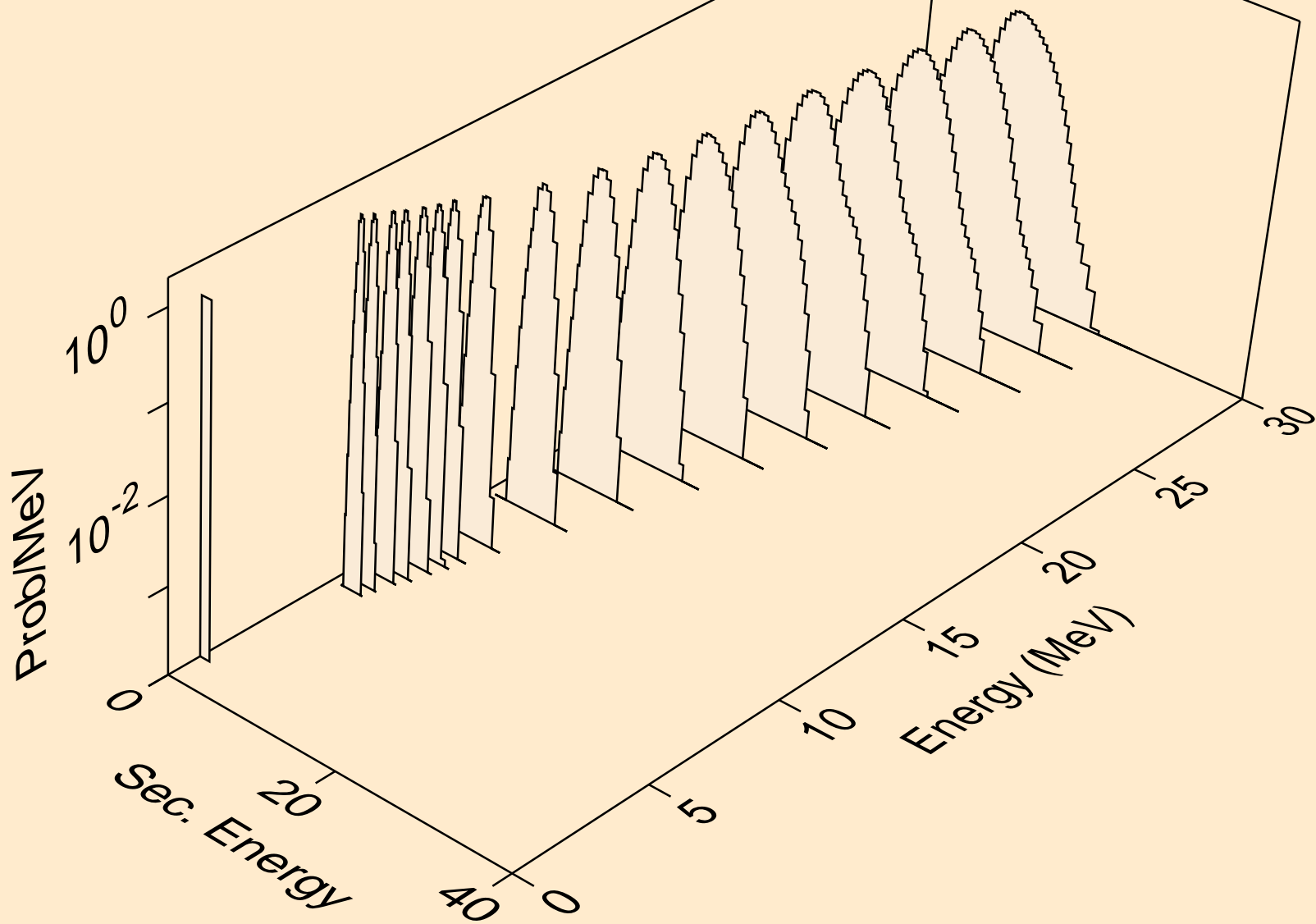
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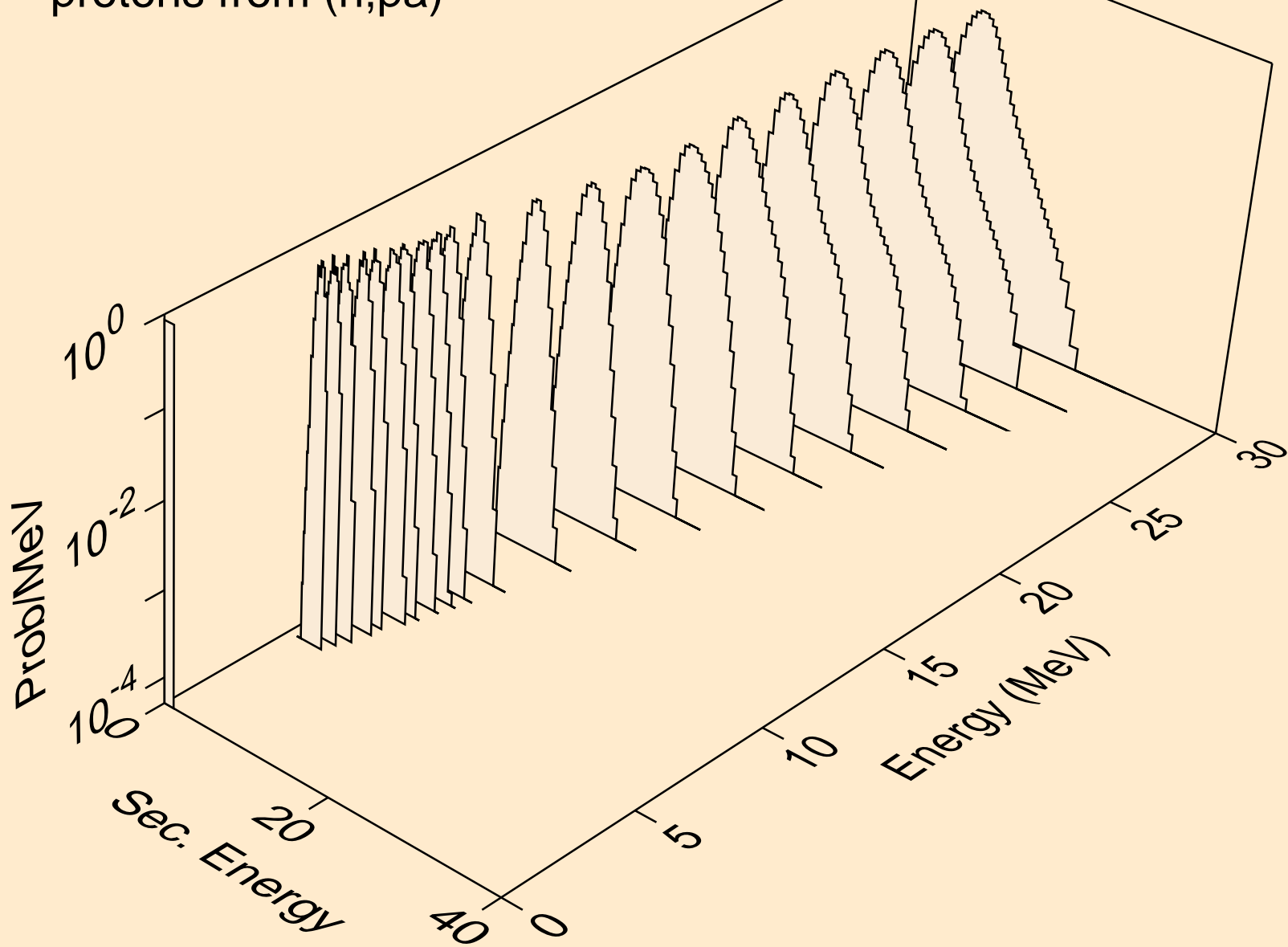
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protons from (n,p)



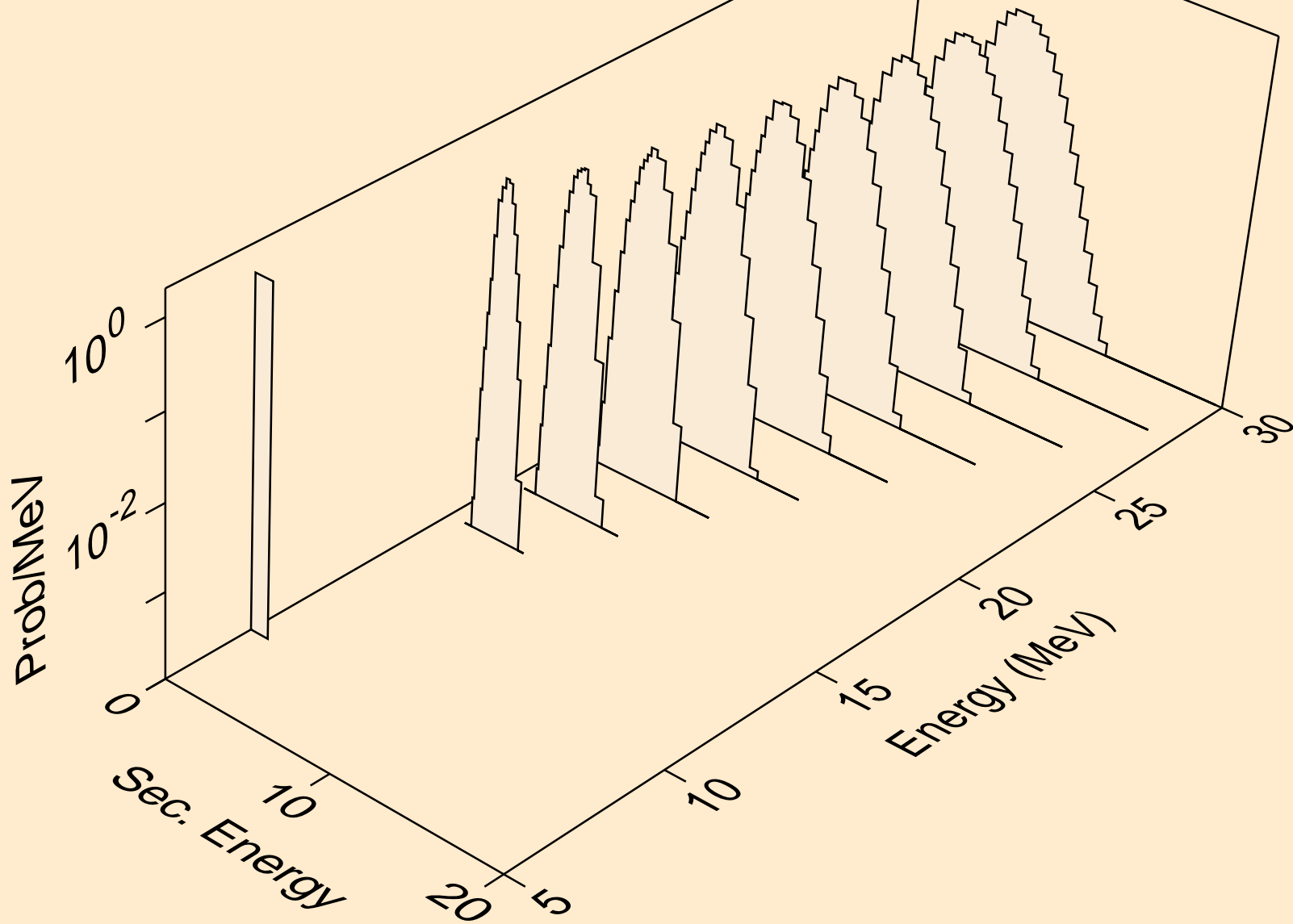
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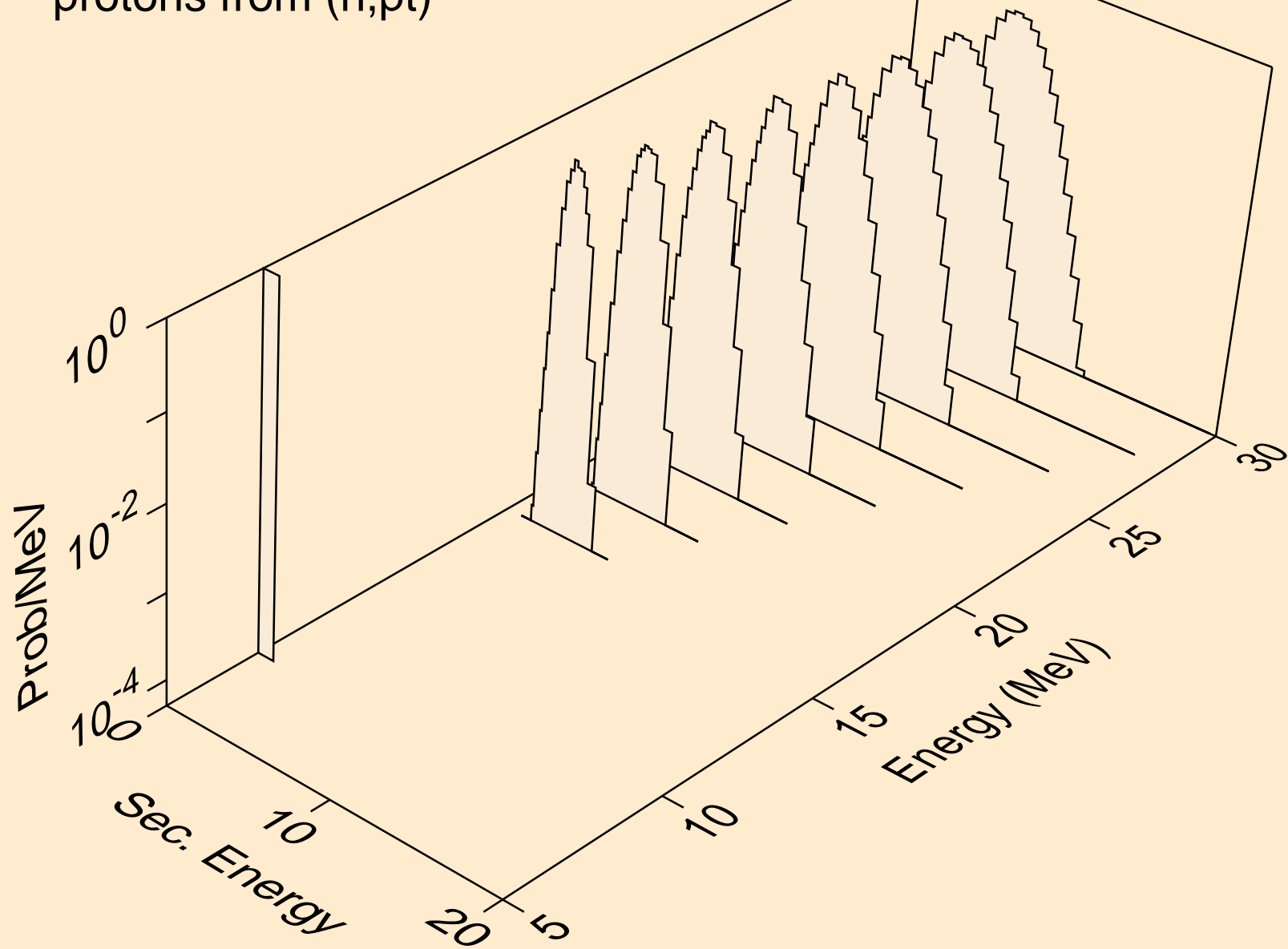
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protons from (n,p)



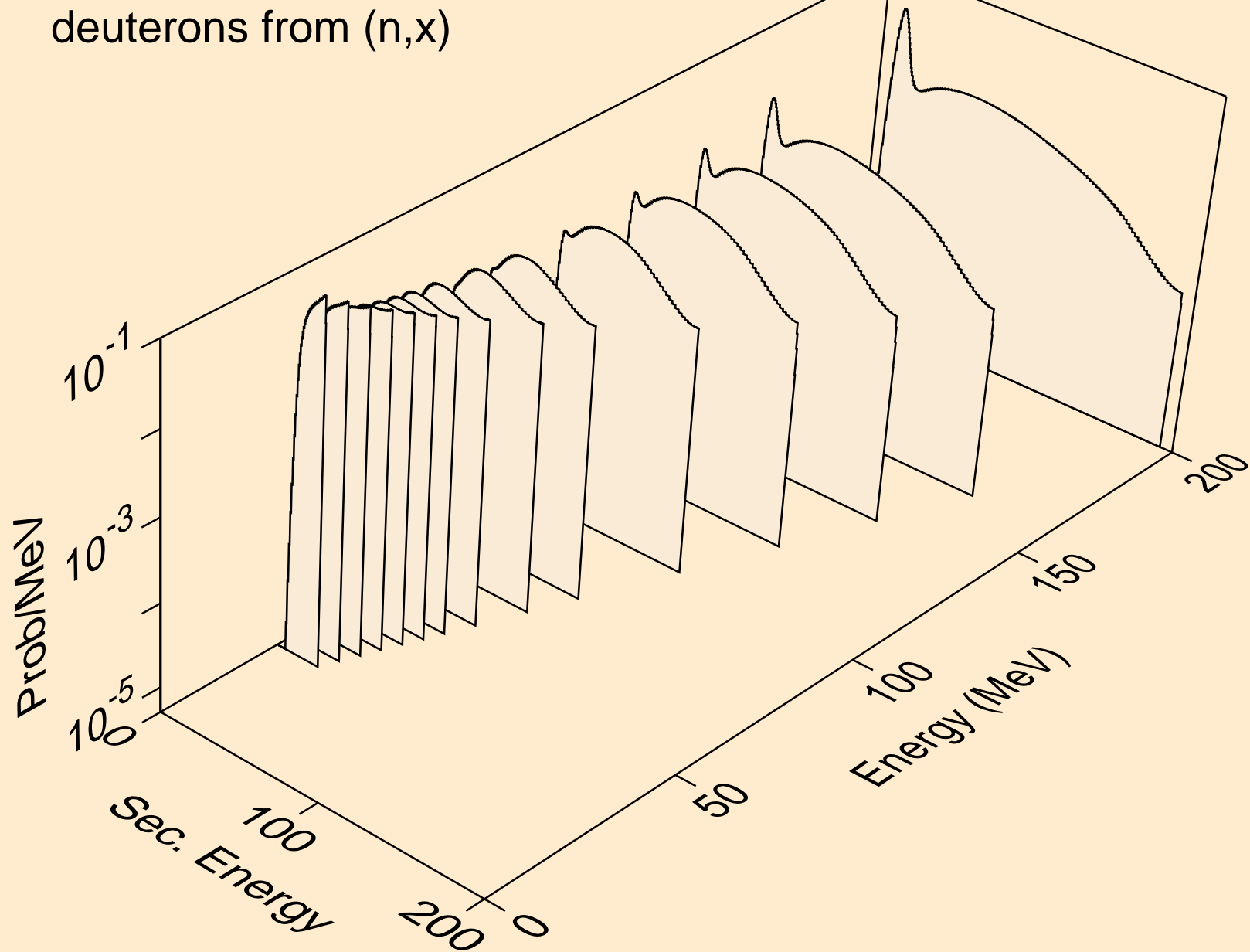
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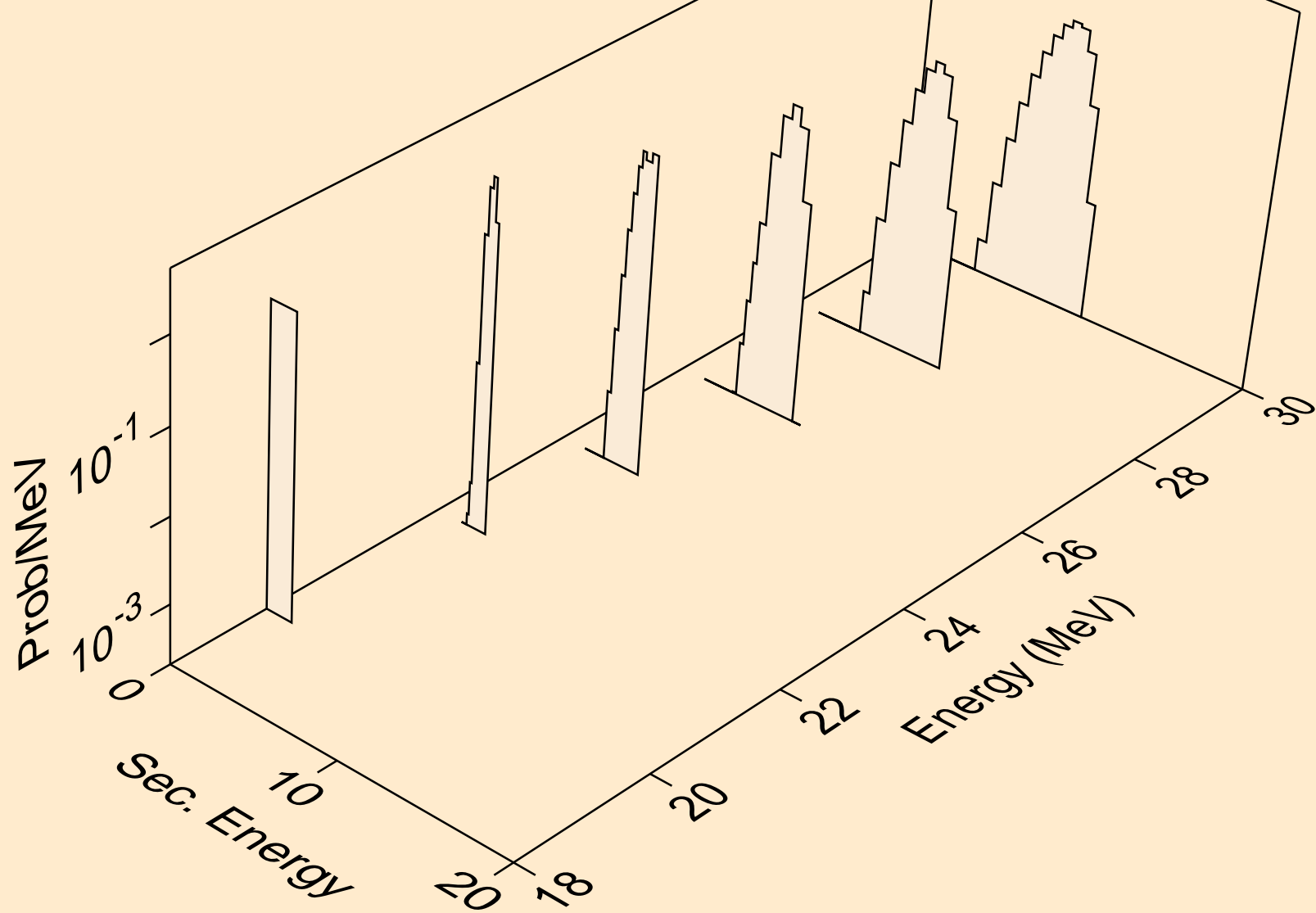
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protons from (n,pt)



HG193M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
deuterons from (n,x)

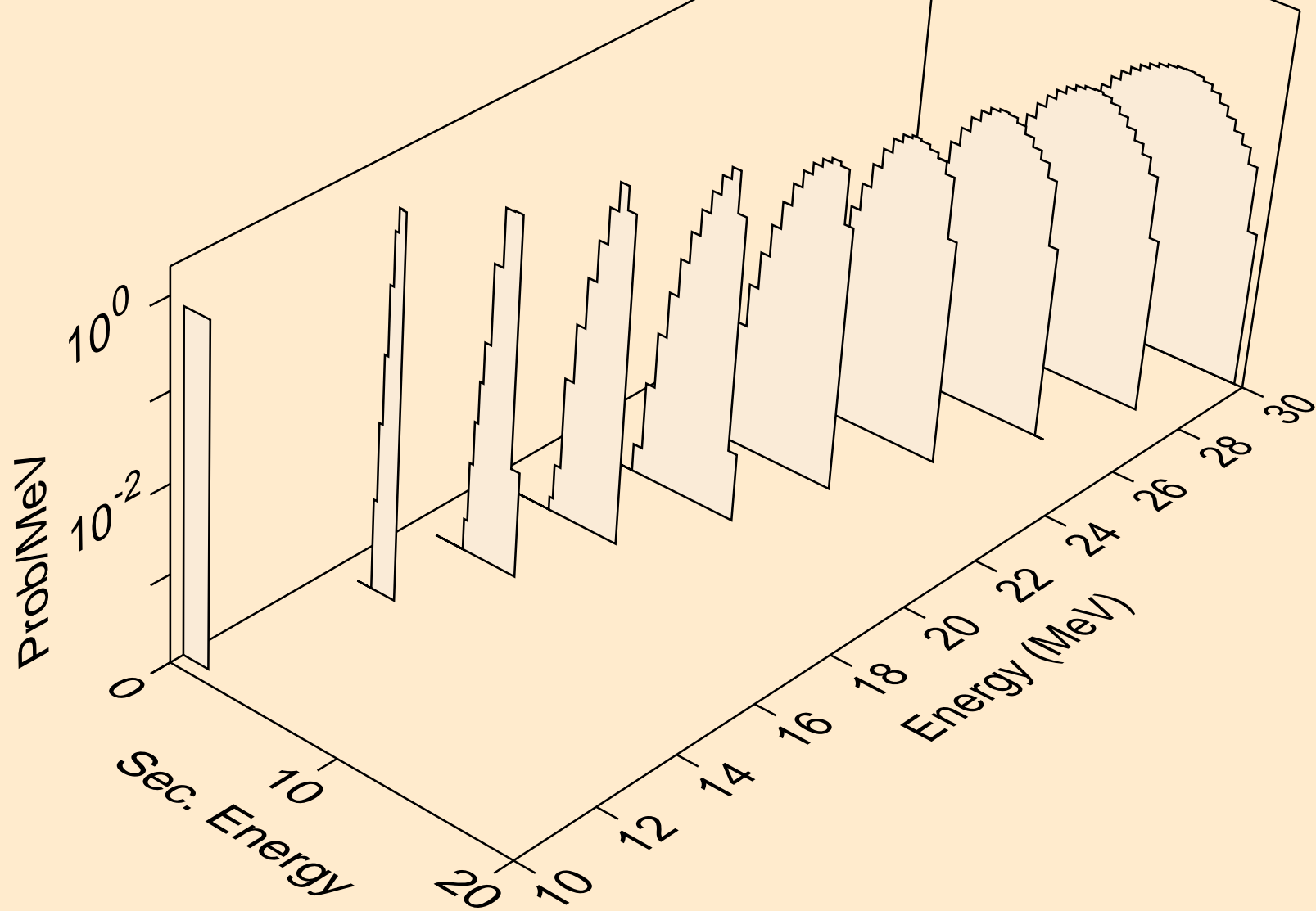


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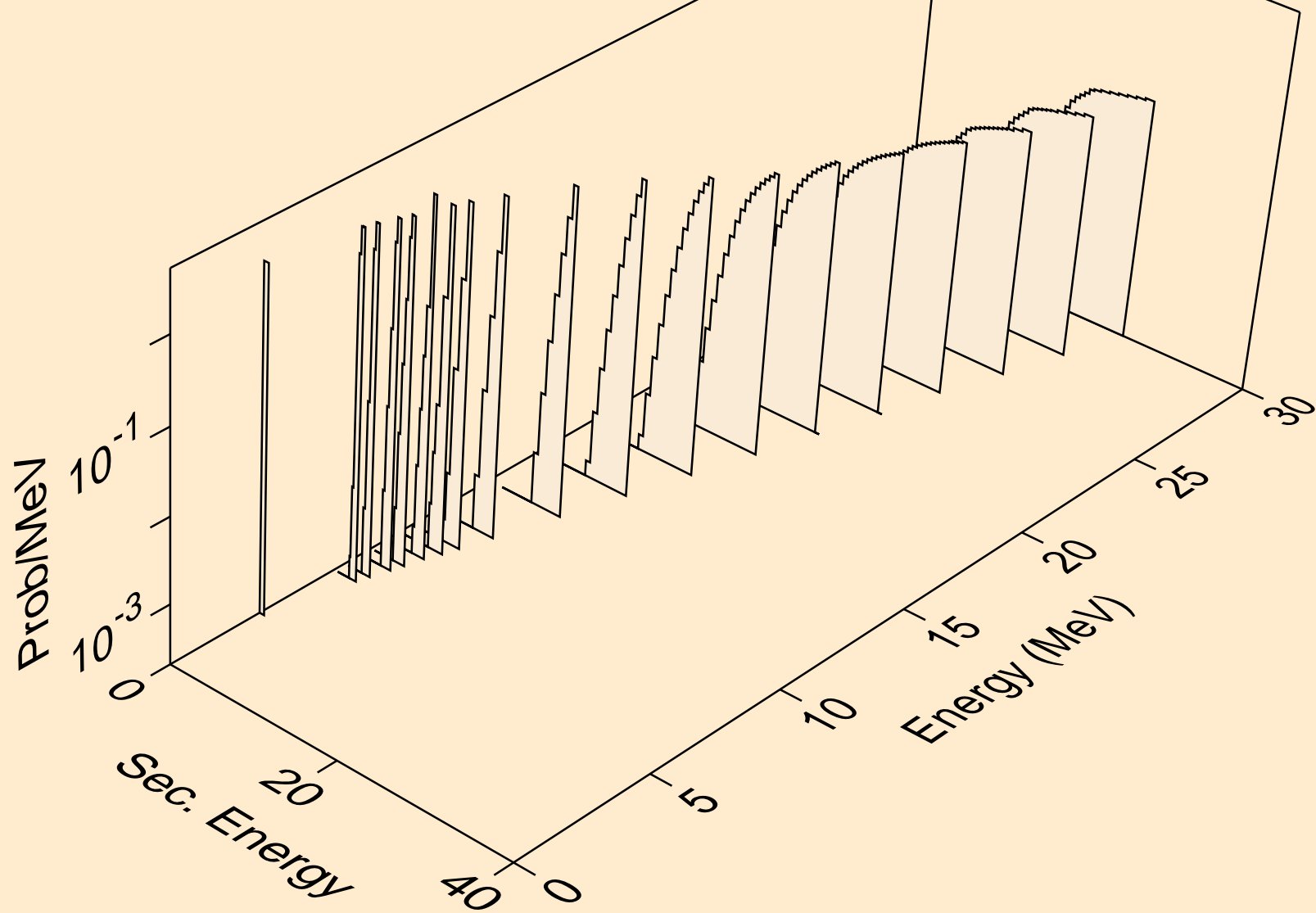




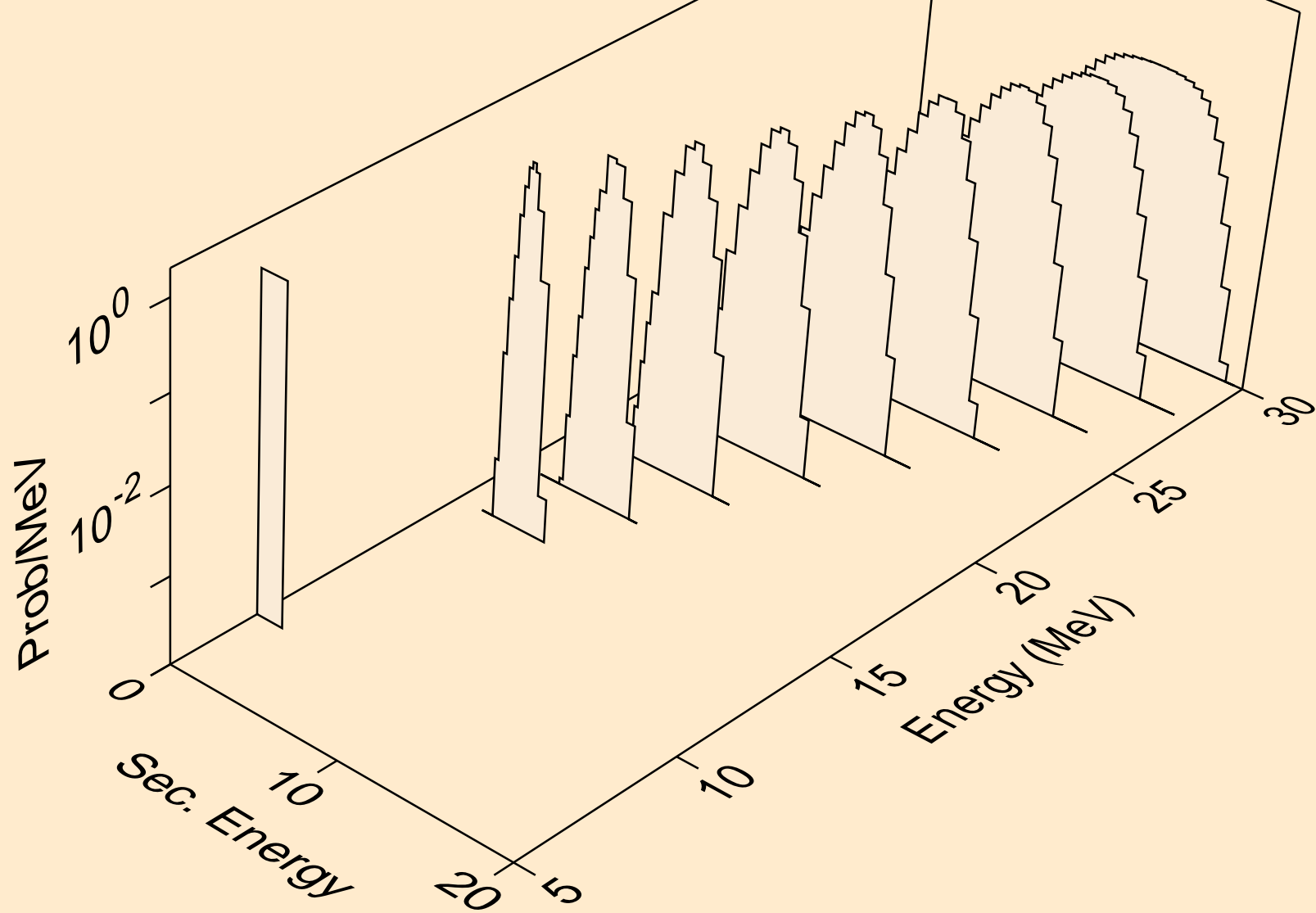
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deuterons from (n,n\*)d



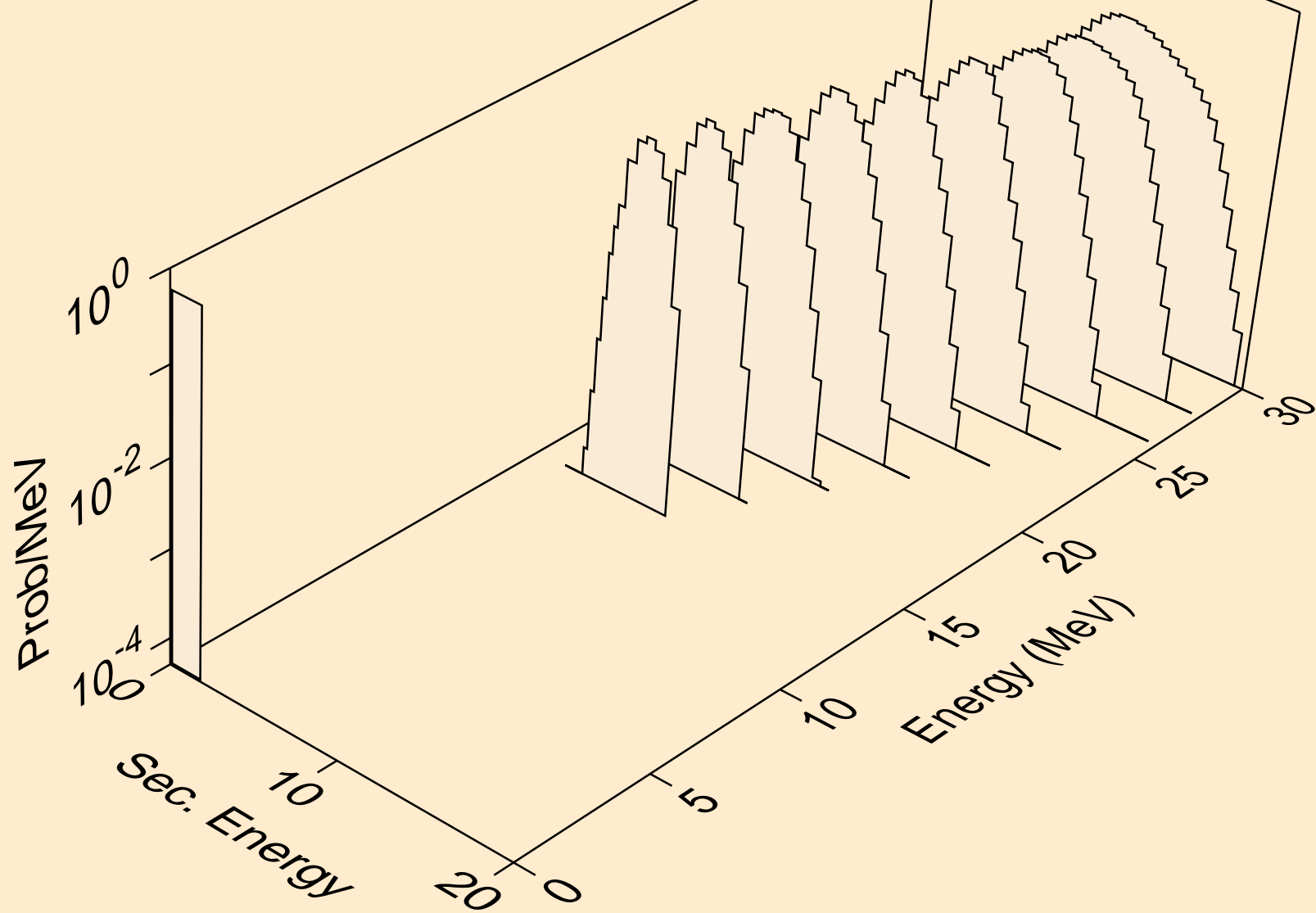
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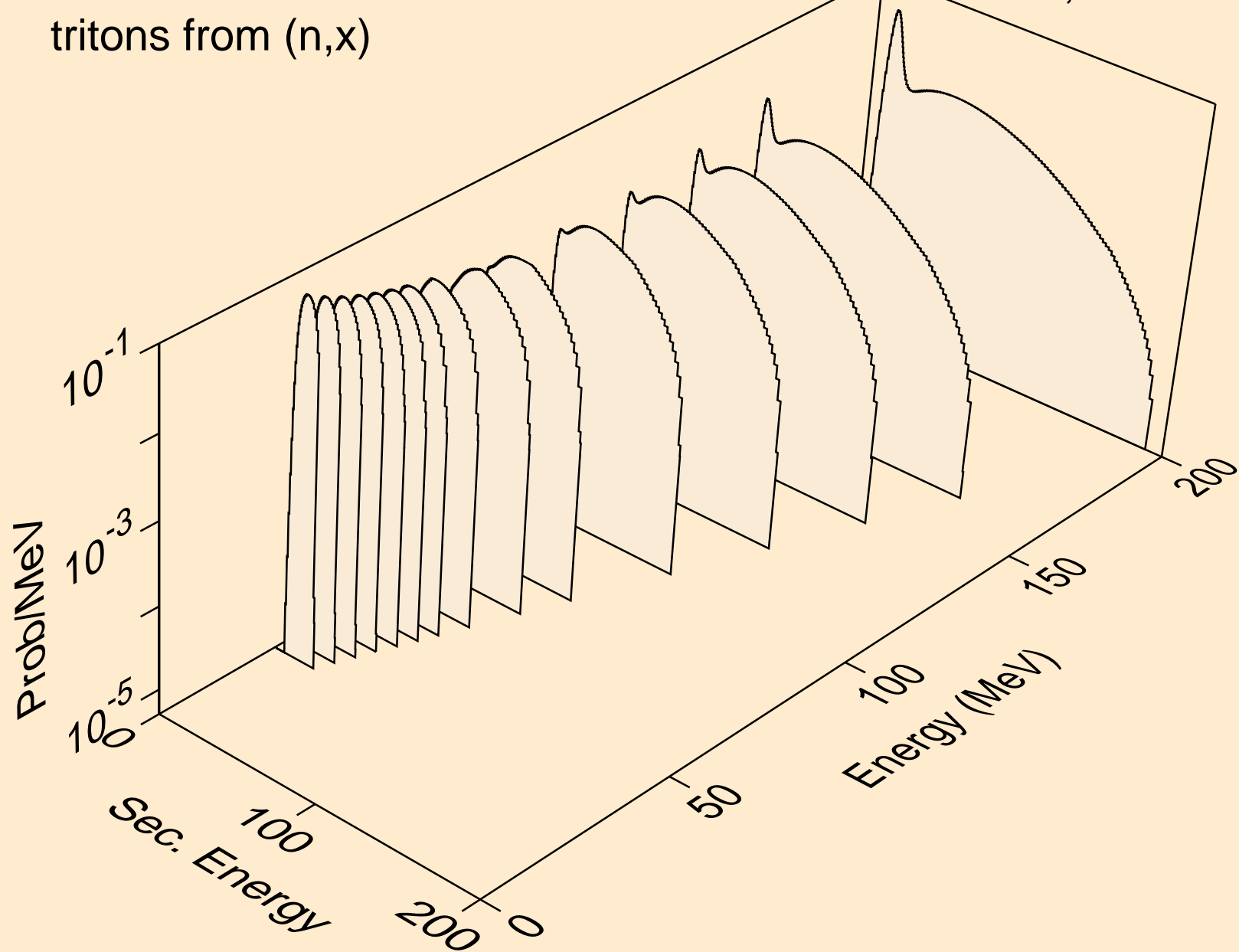
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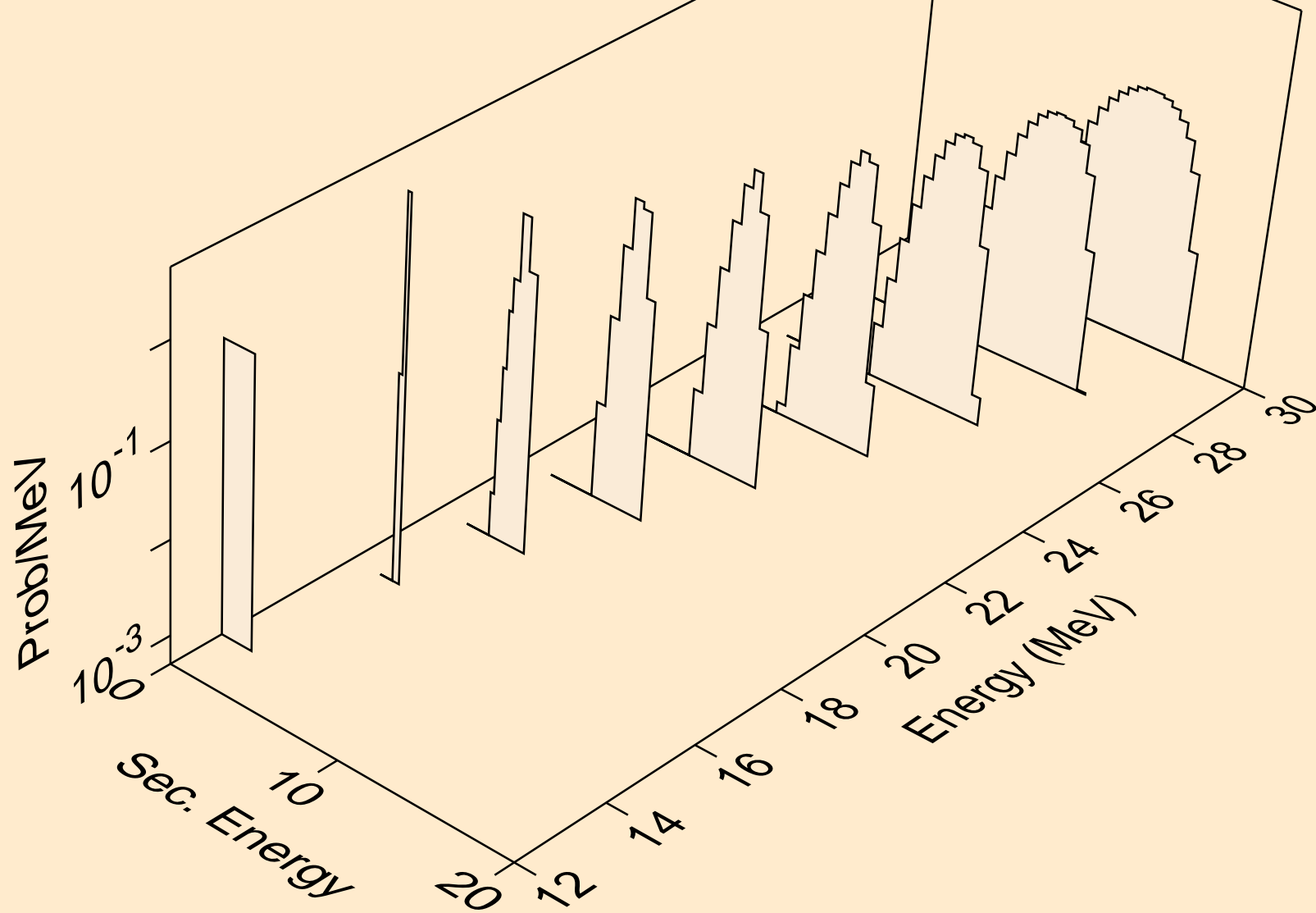
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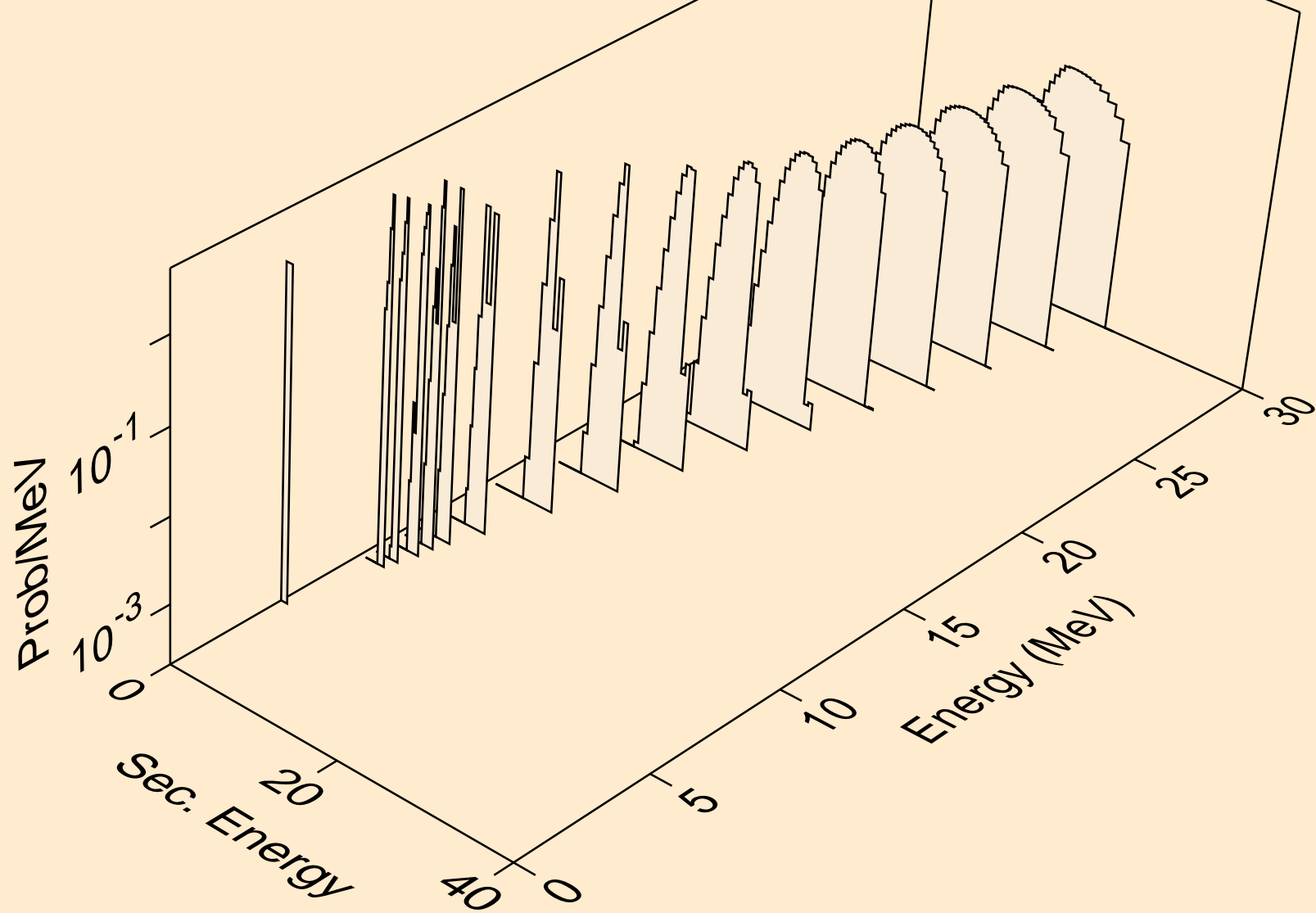
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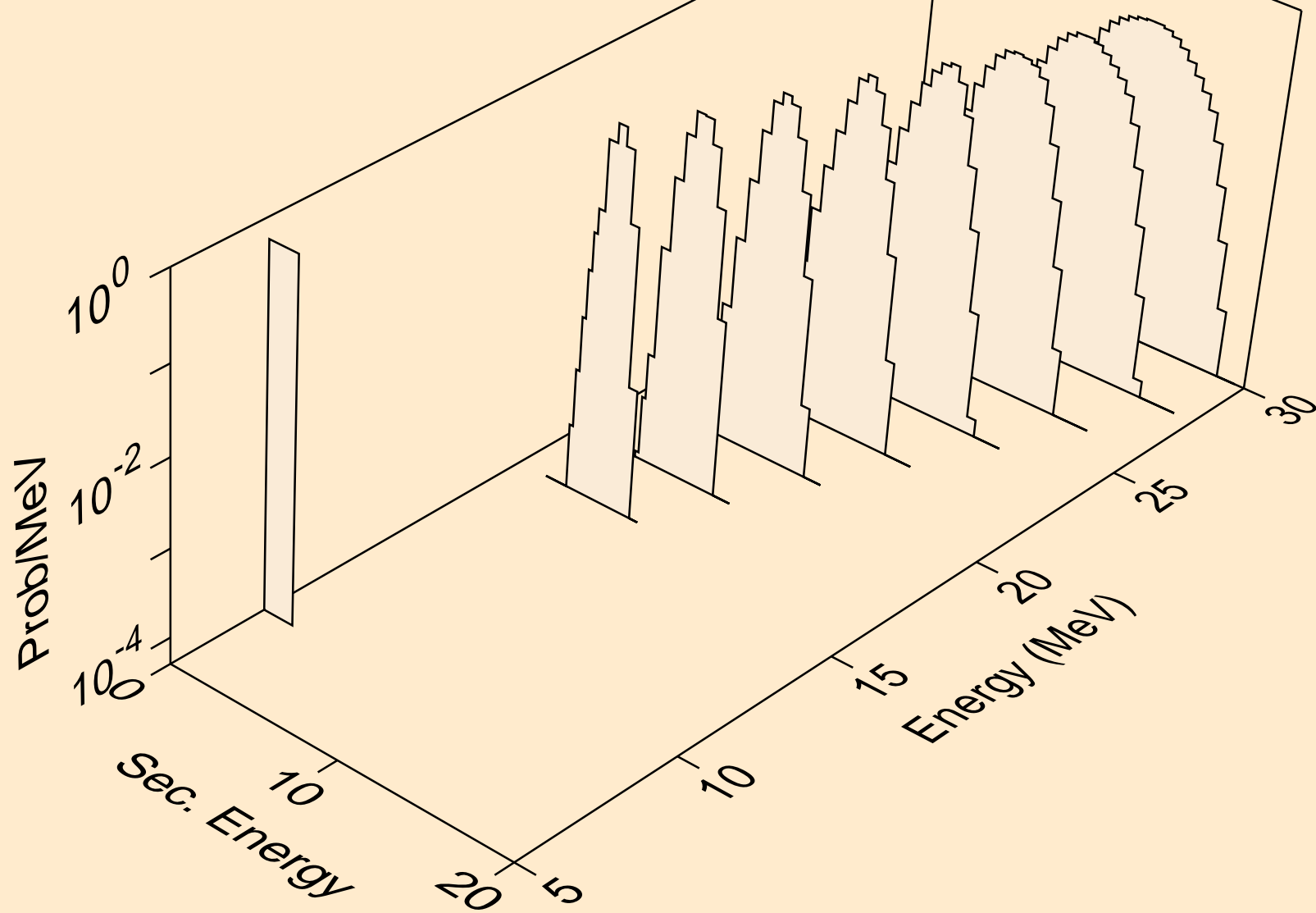
HG193M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
tritons from (n,n\*)t



HG193M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
tritons from (n,t)

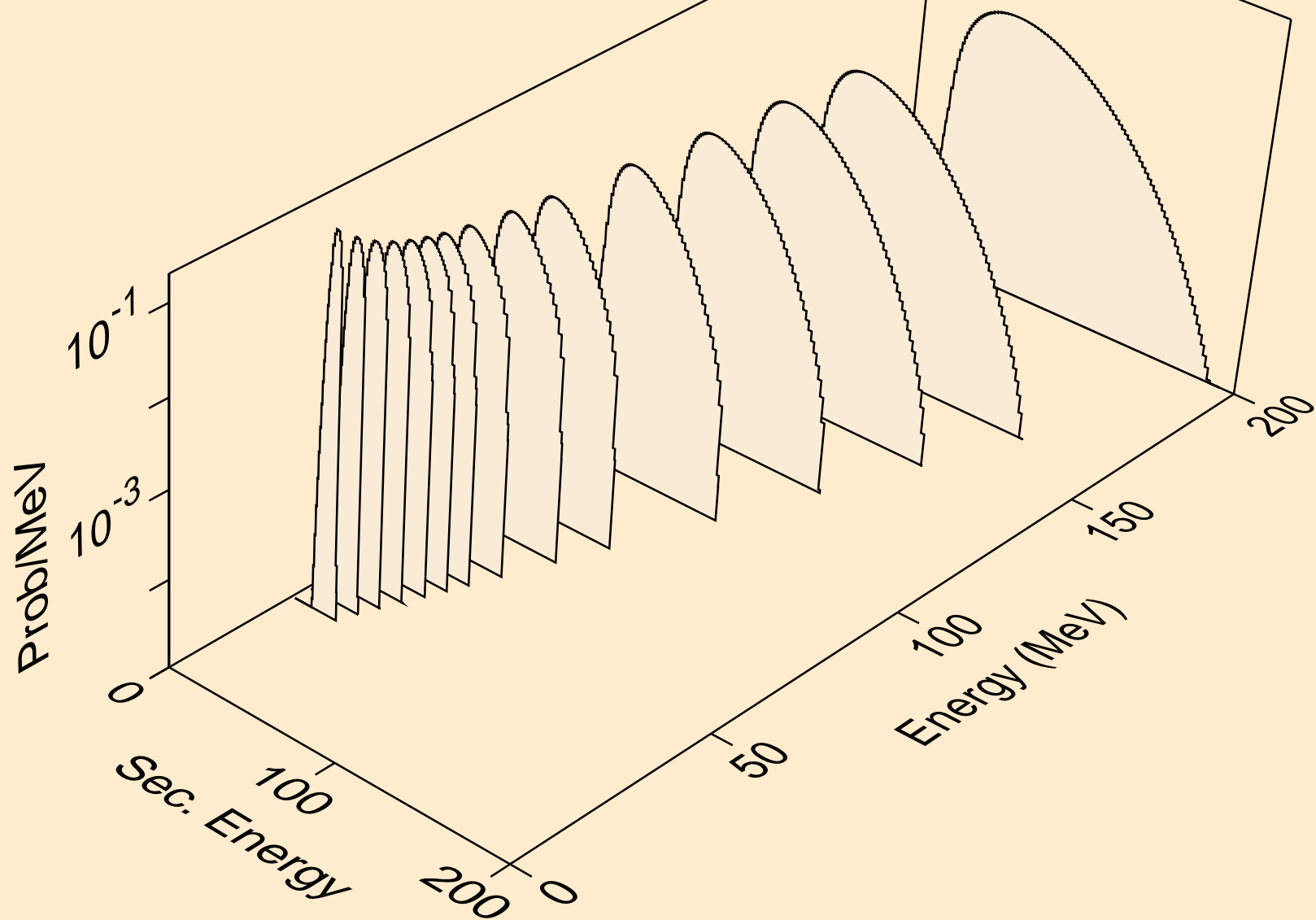


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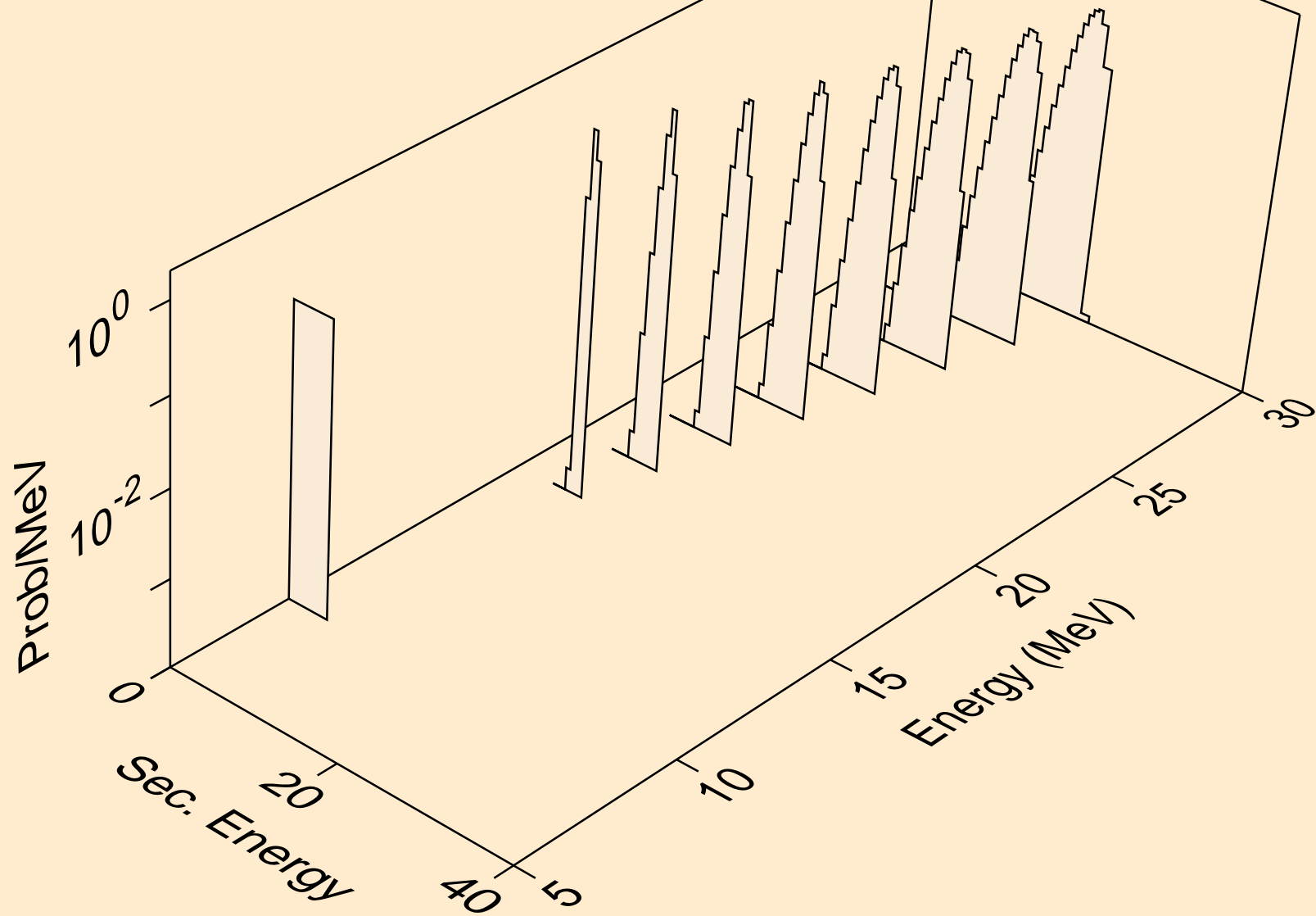




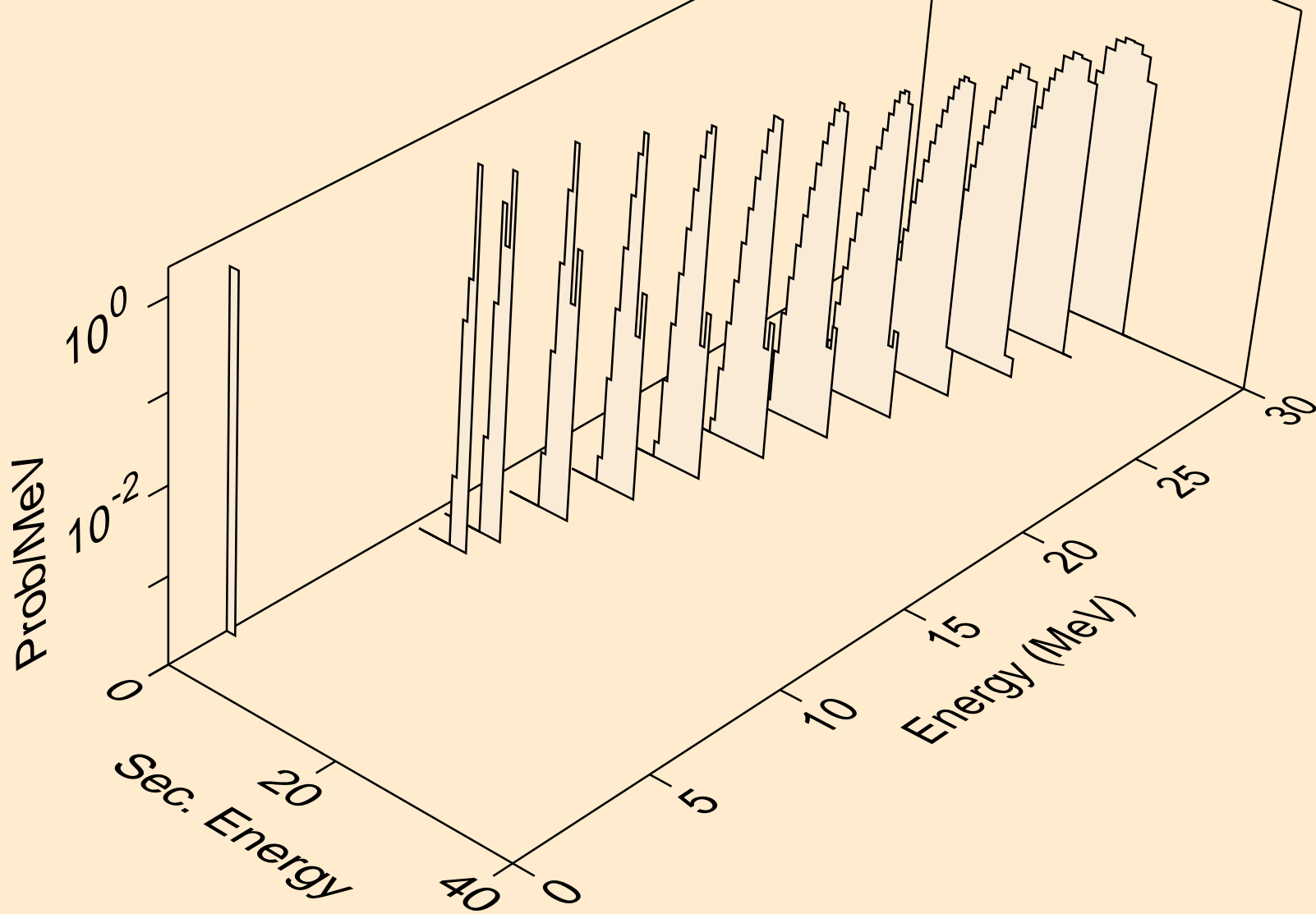
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he3s from (n,x)



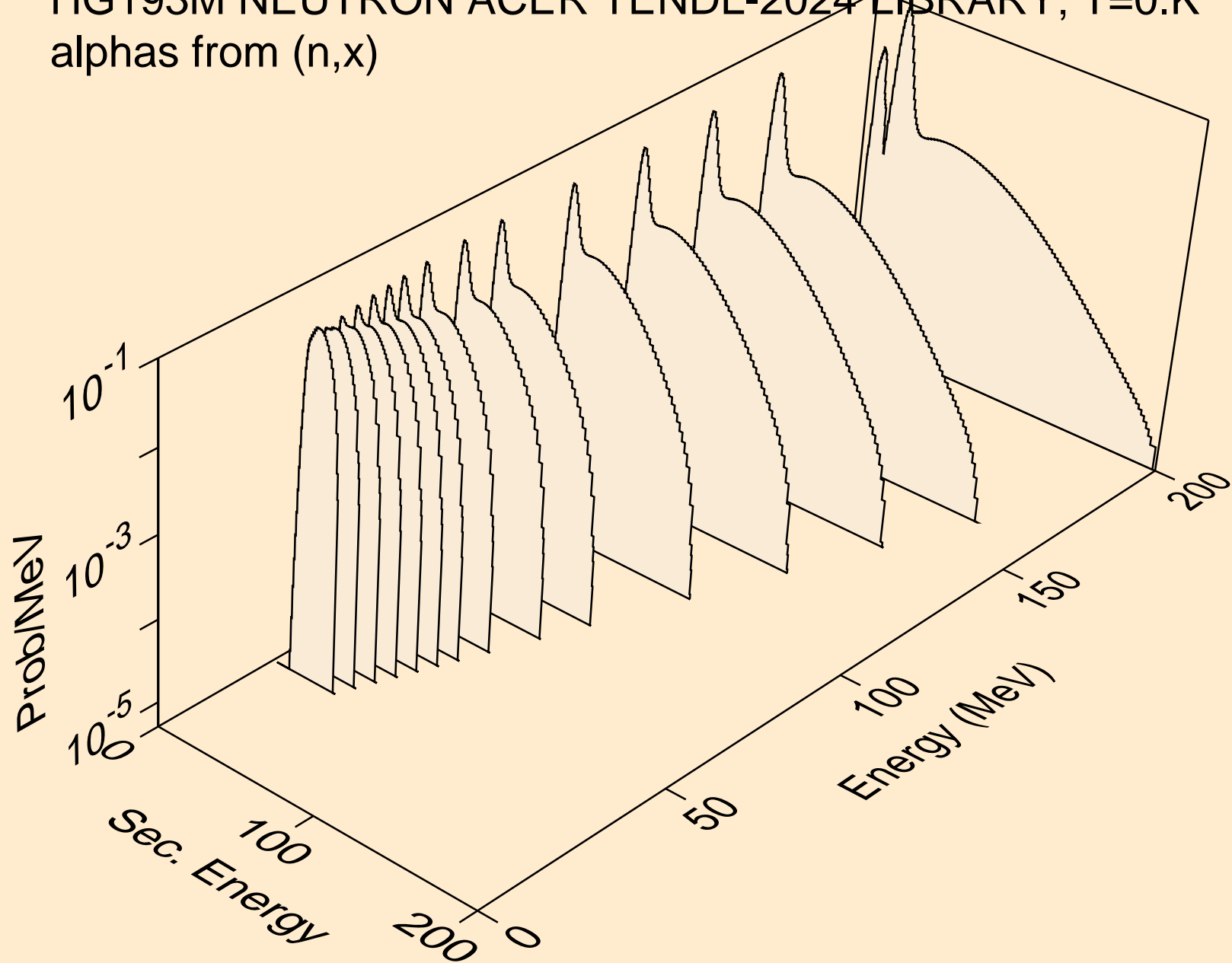
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he3s from (n,n\*)he3



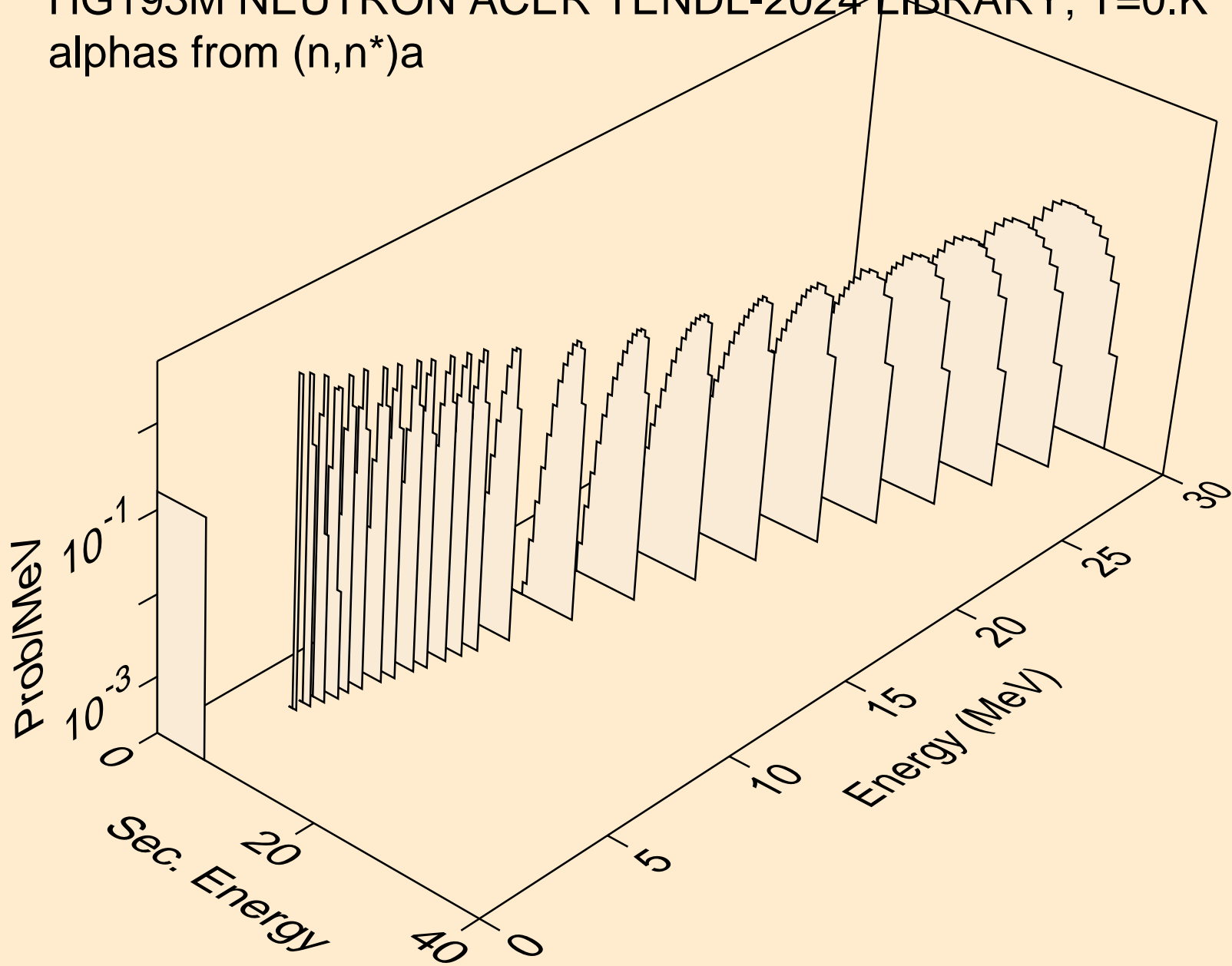
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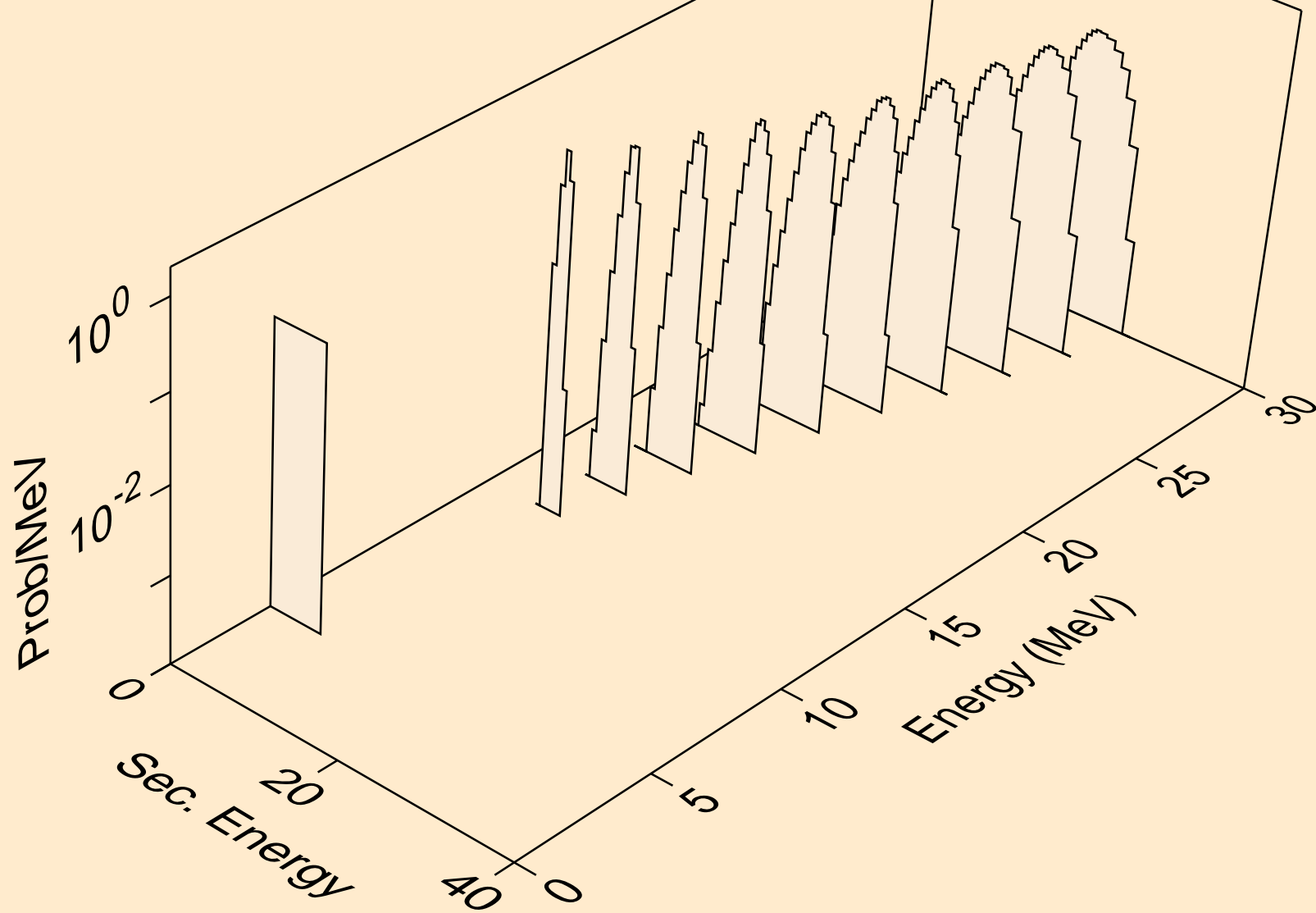
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alphas from (n,x)



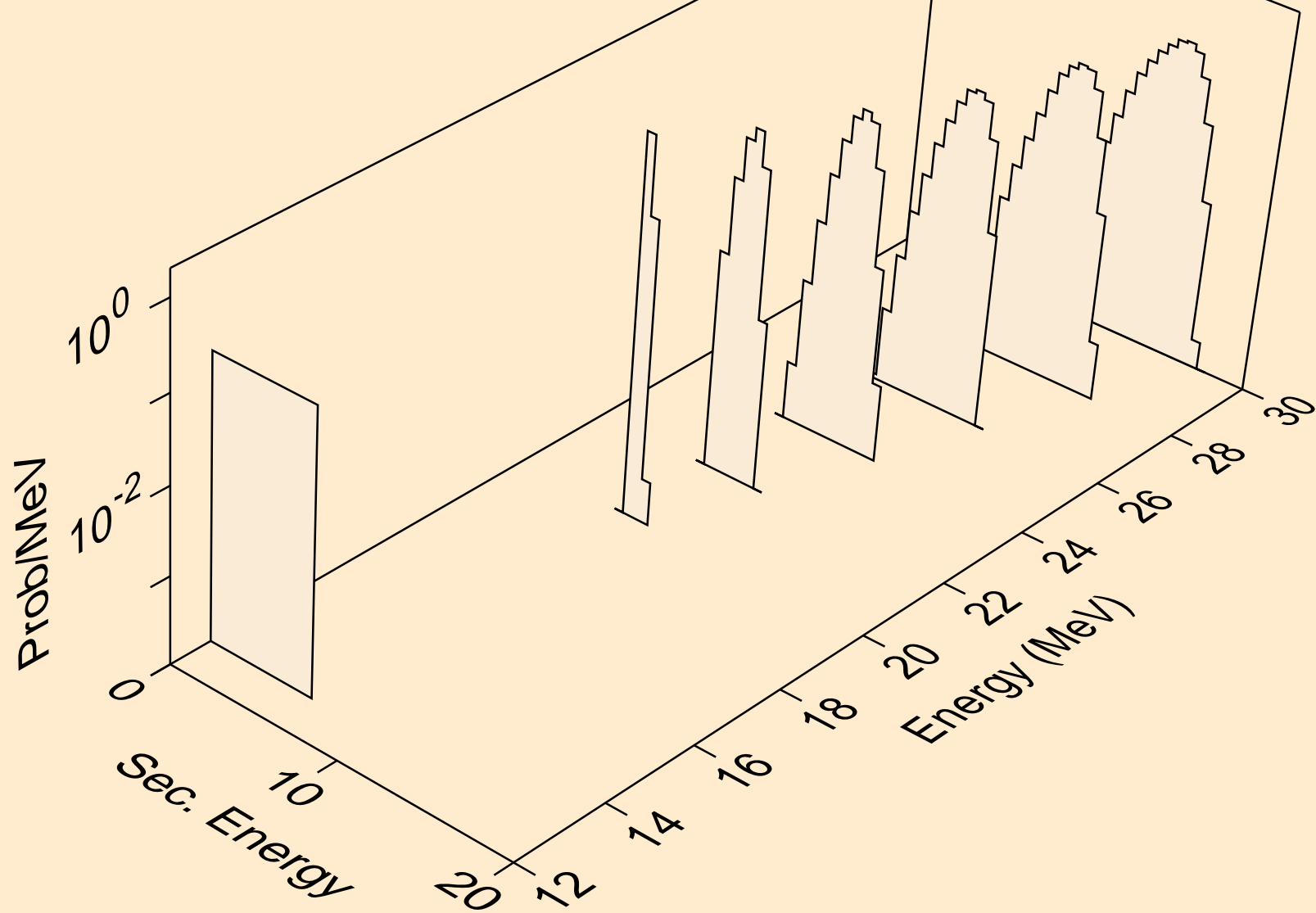
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alphas from (n,n\*)a



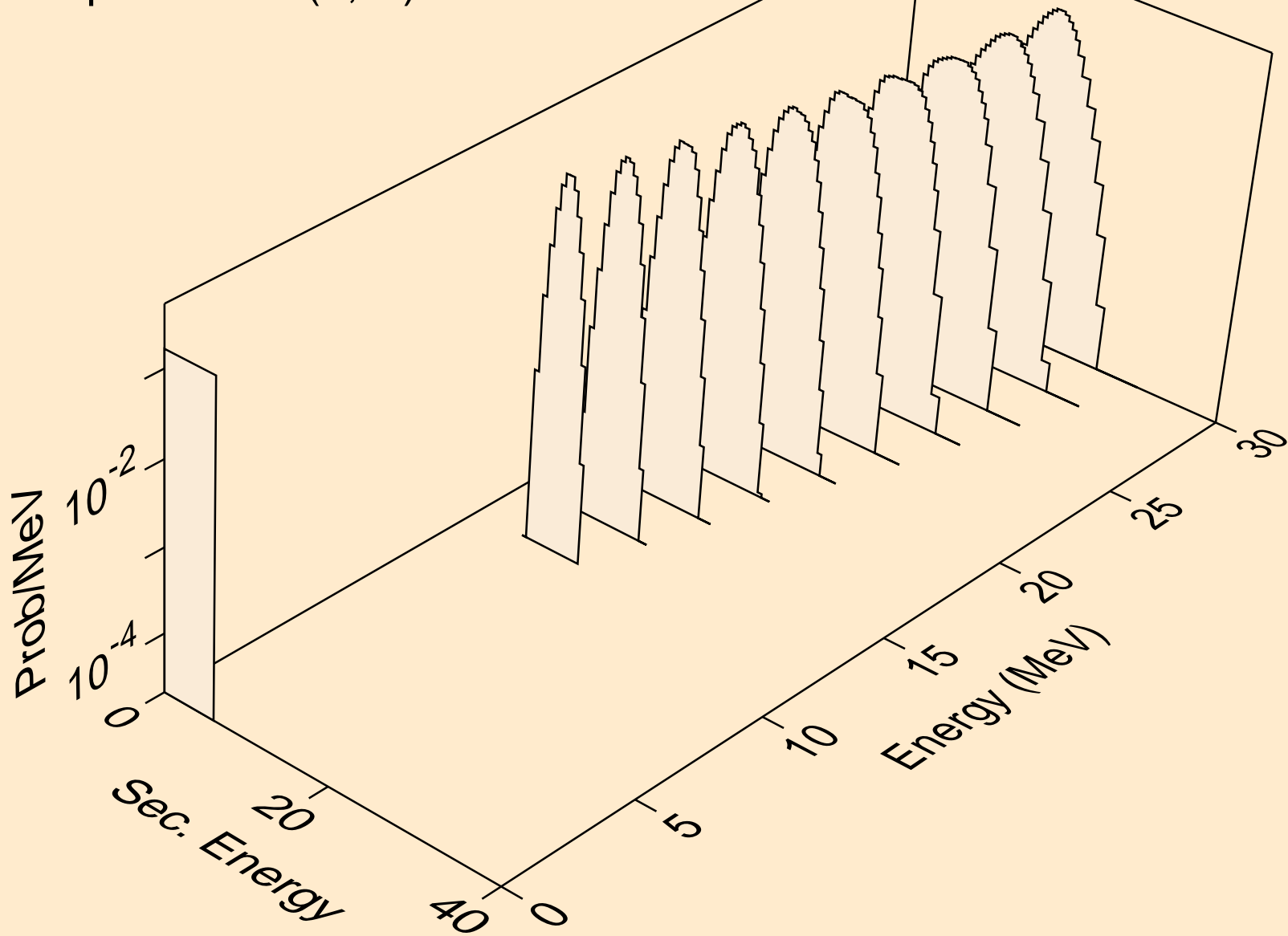
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alphas from (n,2n)a



HG193M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (n,3n)a

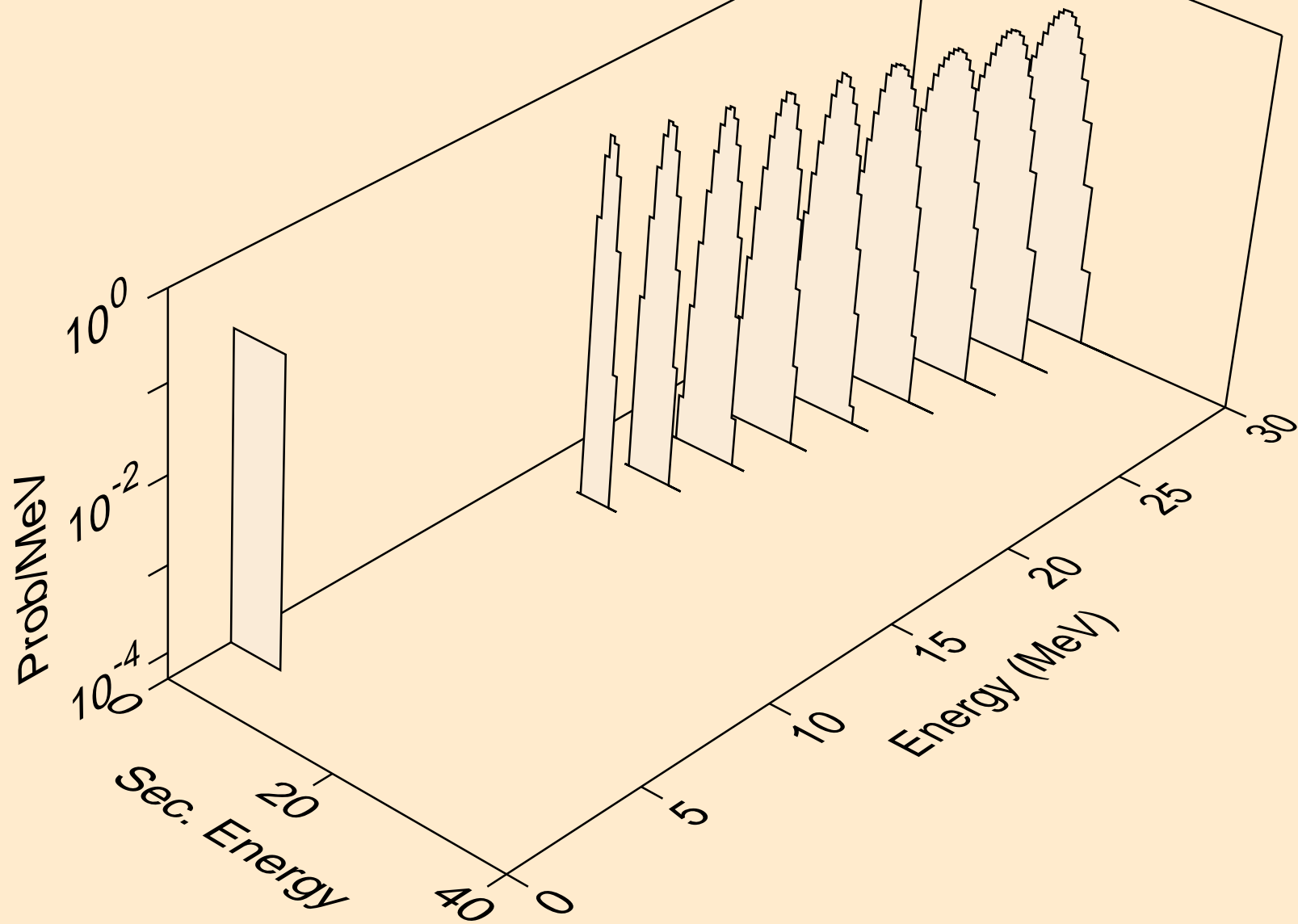


HG193M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (n,n\*)2a

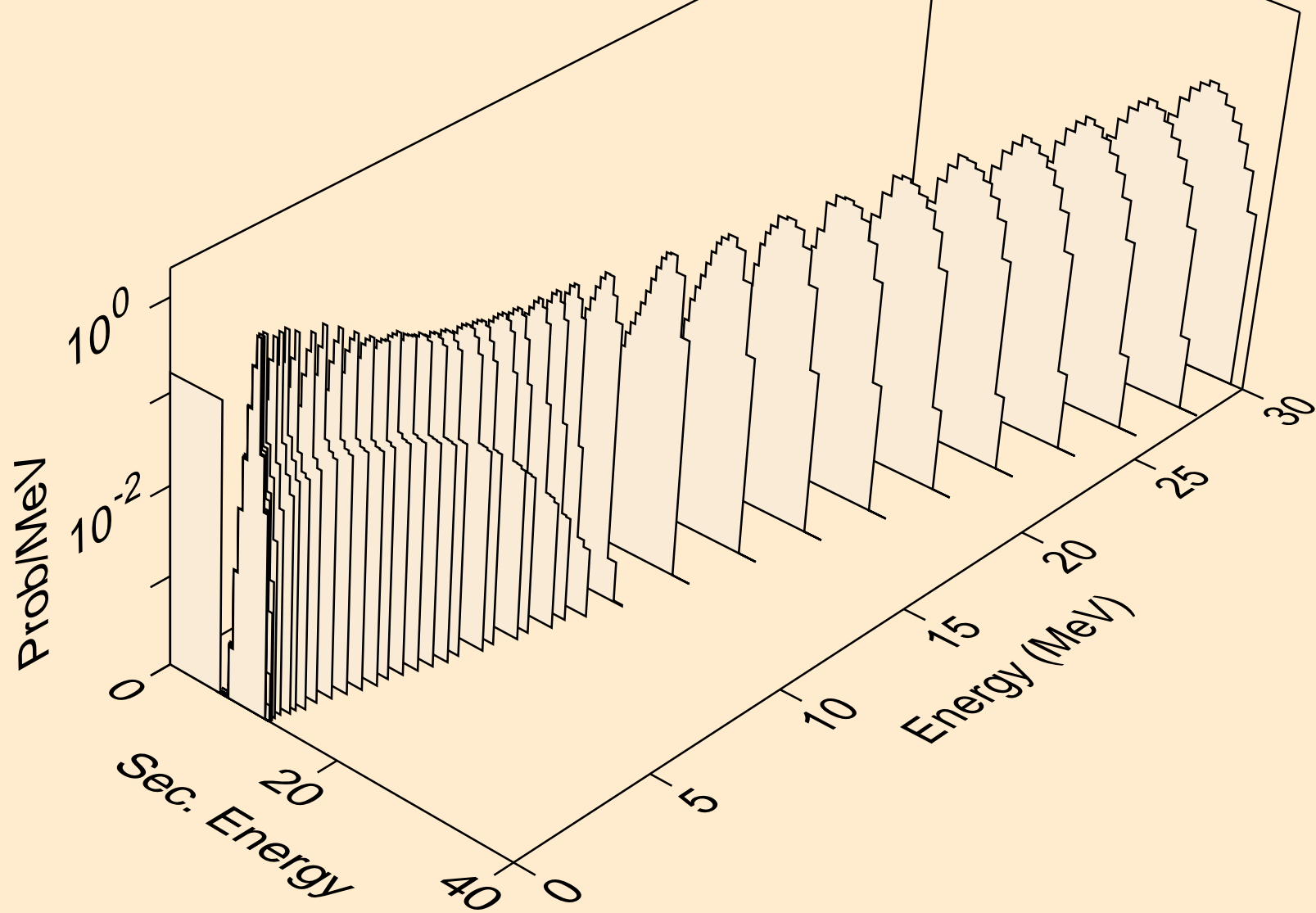




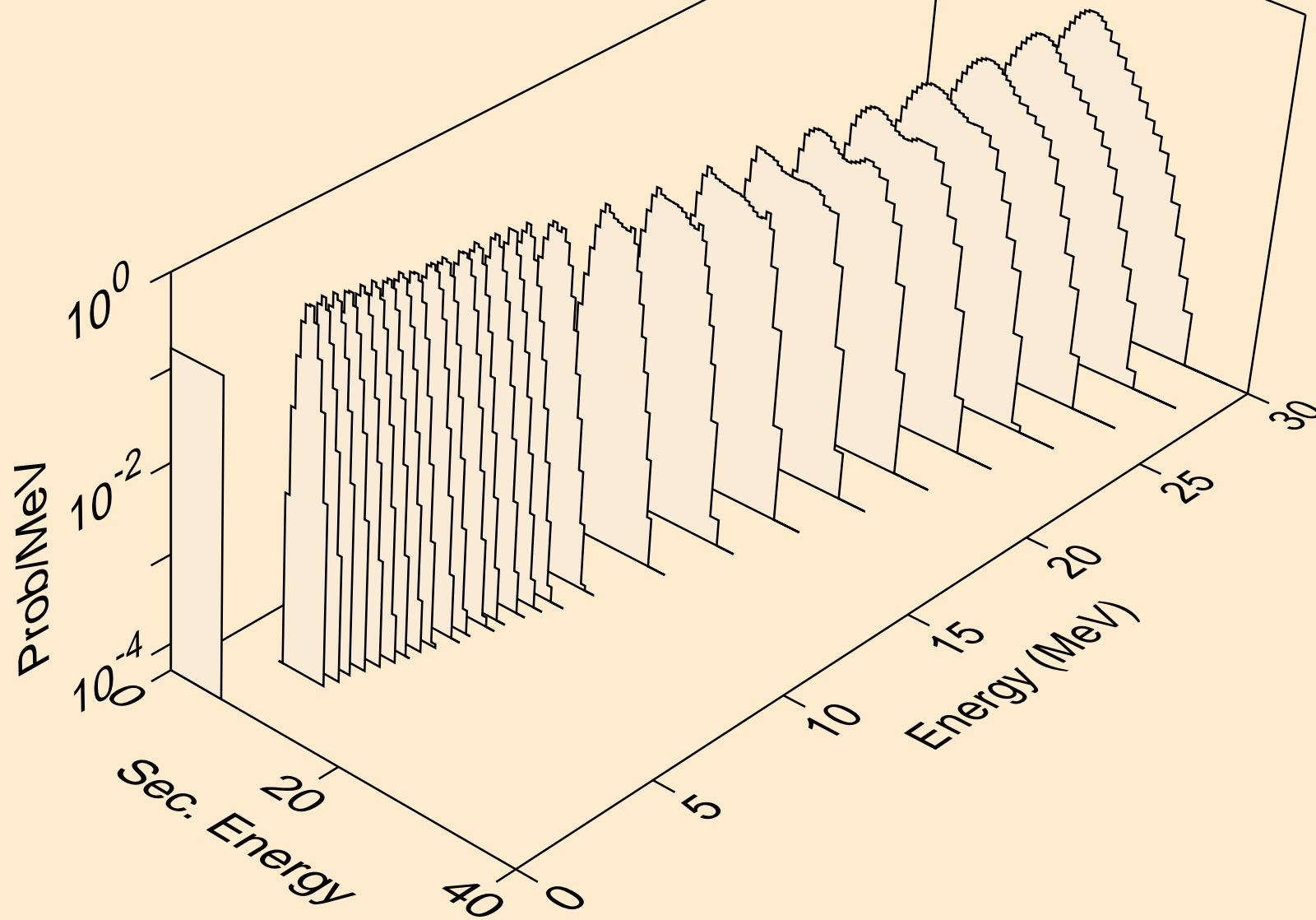
HG193M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (n,npa)



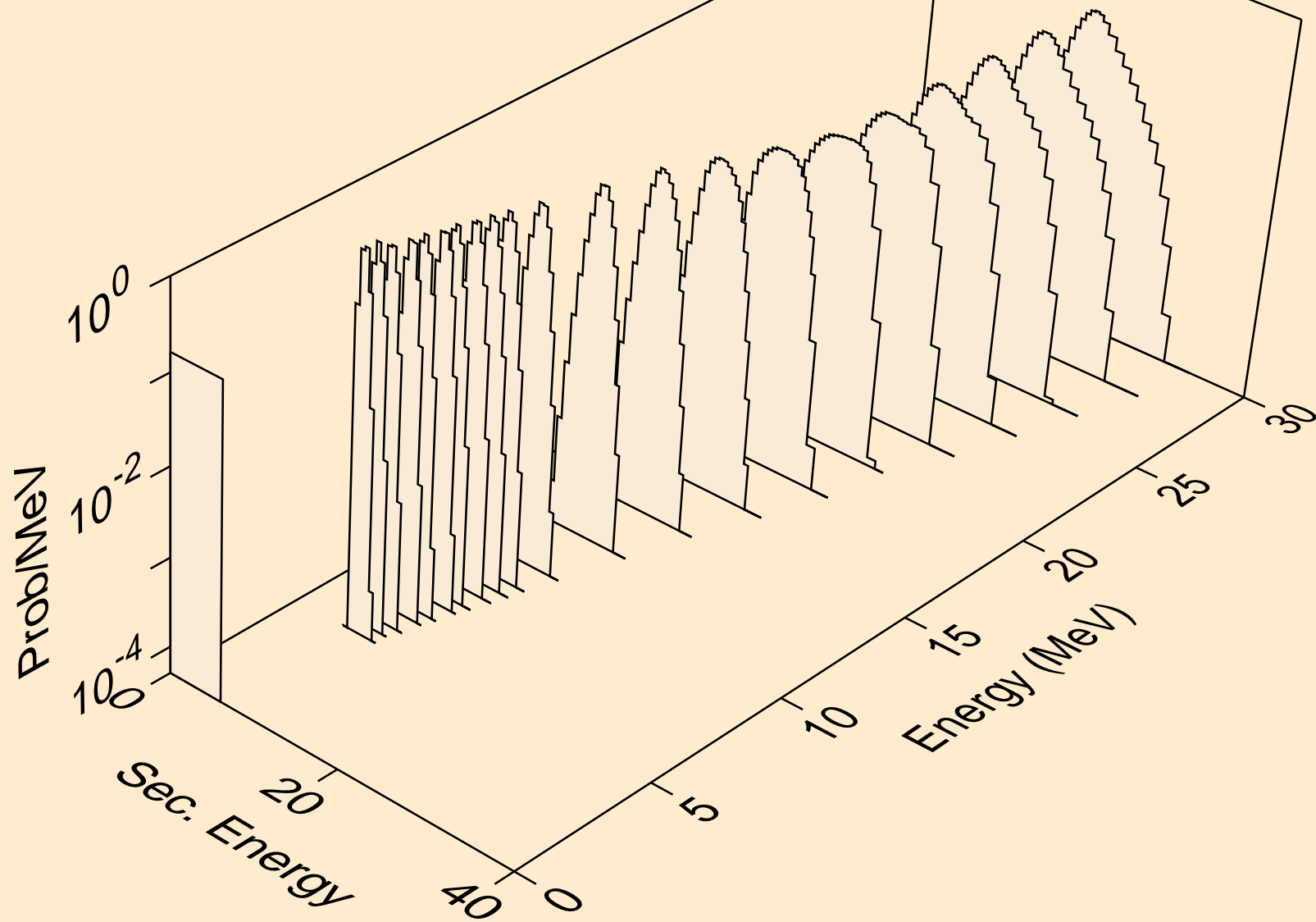
HG193M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (n,a)



HG193M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (n,2a)



HG193M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (n,pa)



HG193M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (n,da)

